

Index to Advertisements on Page 5

COPYRIGHTED, 1896, BY THE NATIONAL PROVISIONER PUBLISHING CO.

NOV. 7, 1896

DEPARTMENT OF
AGRICULTURE.

THE NATIONAL PROVISIONER.

The Organ of the Provision and Meat Industries of the United States.

Entered at the Post Office, New York, and admitted for Transmission through the Mails as Second-Class Matter.

NEW YORK CITY: 284-286 Pearl Street. | PUBLISHED WEEKLY. | CHICAGO: 617 and 618 Manhattan Building, Dearborn Street.

Vol. XV.—No. 19.

NEW YORK AND CHICAGO, SATURDAY, NOVEMBER 7, 1896.

Subscription, \$4.00 Per Year.
Single Copies, Ten Cents.



Taber Rotary Pumps.

SPECIALLY ADAPTED TO PUMPING

Oils, Fats, Brine, Glue, Soap, etc.

Put it on Positive Rotations and
long trial before pumping.

PUMPS { HOT
COLD
THICK
THIN } FLUIDS.

TABER PUMP CO., BUFFALO, N. Y.

Write for Catalogue and Price List.

ESTABLISHED 1857

ROHE & BROTHER, PORK AND BEEF PACKERS AND LARD REFINERS.

ESTABLISHED 1857

CURERS OF THE

CELEBRATED "RESAL" HAM, BREAKFAST BACON AND SHOULDER.

Manufacturers of the famous brand "PURITY" Lard.

Goods for Export and Home Trade in any desired package.

MAIN OFFICE: 264, 266, 268 WEST 33d STREET.

EXPORT OFFICE: 344 Broadway Exchange.

PACKING HOUSES,
264, 266, 268 West 33d Street. 534 to 540 West 37th Street.
552 to 560 West 36th Street. 547 to 549 West 38th Street.

NEW YORK.

CASINGS, NELSON MORRIS & CO.,

U. S. Yards, Chicago.—13 Jay St., New York.

HOG & BEEF

Carefully cleaned.

Quality the best.

WOLF, SAYER & HELLER,

MANUFACTURERS OF
EVERYTHING IN

BUTCHERS' SUPPLIES,

HOG, BEEF AND SHEEP CASINGS, OWN CLEANING.

~ REFRIGERATORS, BLOCKS, FIXTURES, ~

Main Office and Factory, FULTON and PEORIA STS.,
CHICAGO.

"THE BEST OF EVERYTHING."
Hamburg, Alberstr. 9 Hammerbrook, Germany.
Sydney, N. S. W., Australia.
Christchurch, New Zealand.

120 PEARL STREET,
NEW YORK.

COUNTRY BUTCHERS

Can get 1-2 cent extra for their Hides if they will take off and care for them according to Page's directions. It will cost you only a postal card to get them, for they will be sent free, post-paid, to any Butcher who will send his address and mention this paper. Write for them to-day to the undersigned, who wants to buy your Hides, Calf-skins, Sheep Pelts, Tallow and Bones.

SEE WOLF & SAYER MANUFACTURING CO.'S ADVERTISEMENT, PAGE 20.

**THE
DE LA VERGNE REFRIGERATING MACHINE CO.**

Manufacturers of
Refrigerating AND Ice-Making Machines
AND ANHYDROUS AMMONIA.

Read the following AWARD from the DIPLOMA received by us from THE WORLD'S COLUMBIAN EXPOSITION.

AWARD.

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special type of pipe fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,
Vice-Pres't Departmental Com.

(Signed) J. E. DENTON,
Individual Judge.

Approved.—JOHN BOYD THACHER,
N. H. Chairman Executive
Committee on Awards.

WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF OF THIS FACT.

WE MAKE NO GUARANTEES WE CANNOT FULFILL.

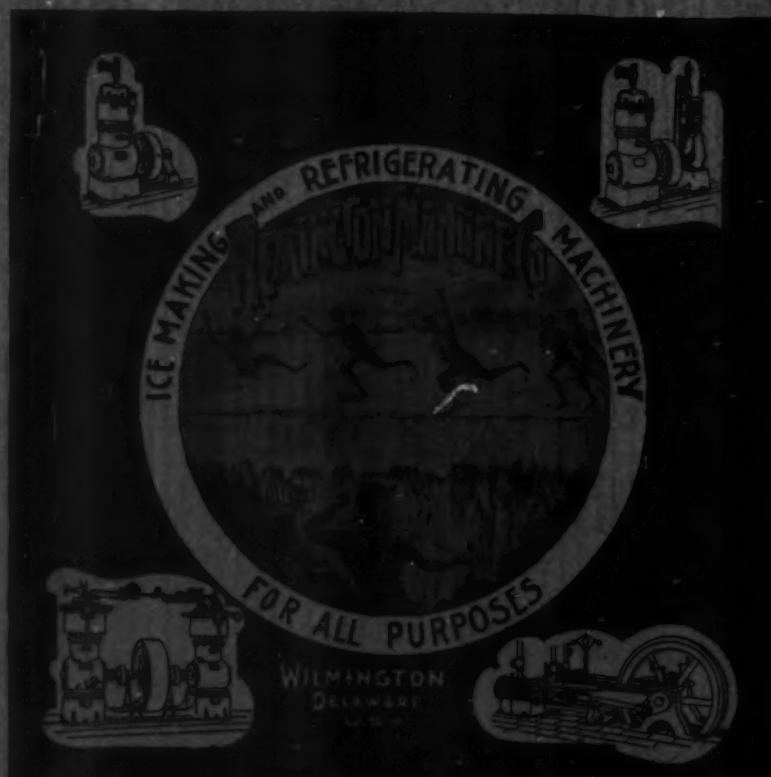
MAIN OFFICE AND WORKS: FOOT OF EAST 130TH STREET, NEW YORK.

BRANCH OFFICES.

PHILADELPHIA, Pa., Girard Building, cor. Broad and Chestnut Sts.
ST. LOUIS, Mo., 8th St. and Park Ave.
CHICAGO, Ill., 507-519 Security Building, Madison St. and 5th Ave.

NEW ORLEANS, La., 715 Hennen Building, Cor. Carondelet and Common Sta.
CINCINNATI, O., 5 and 7 Corwine St.
BOSTON, Mass., Tremont Building.

REMINGTON MACHINE COMPANY, Wilmington,
Delaware.
BUILDERS OF REFRIGERATING AND ICE MAKING MACHINERY.



We have the **MOST SUCCESSFUL SYSTEM** of Mechanical Refrigeration for Abattoirs, Cold Storage Houses, Pork Packers, Markets, Butchers, Breweries, Hotels, and for **ALL PURPOSES** to which refrigeration can be applied.

ICE PLANTS by both the CAN and PLATE Systems.

We carry a large stock of Ammonia Valves and Fittings also wide pattern return bends for brine circulation. Send for prices.

ADVERTISING RATES.THIS JOURNAL IS PUBLISHED
EVERY SATURDAY.Regular rates are understood by the year—52 Insertions.
ONE YEAR, OR 52 WEEKLY INSERTIONS.

1 Inch x 2½ inches wide,	\$50.00
2 Inches " "	75.00
3 " " "	100.00
4 " " "	125.00
5 " " "	175.00
6 " " "	225.00
7 " " "	300.00
8 " " "	450.00
11 " " "	575.00
16½ " " "	625.00
22 " " "	800.00
24 " " "	800.00
30 " " "	800.00

Cover pages and preferred positions 25 per cent. extra.

Advertisements on reading pages double rates.

Reading Notices, 5¢c. per line.

Solid type ads on reading pages, 50¢c. per line.

For "Want" and "For Sale" advertisements see page 46.

SEMI-MONTHLY.—24 INSERTIONS.

(Full, half, third and quarter pages only.)	
1 Page (twice a month)	\$450.00
1½ " " "	300.00
2 " " "	200.00
3 " " "	150.00

MONTHLY.—12 INSERTIONS.

(Full, half, third and quarter pages only.)	
1 Page (once a month)	\$300.00
1½ " " "	150.00
2 " " "	100.00
3 " " "	90.00

SHORT TERMS.

3 Months.	35% of annual rate.
6 Months.	60% of annual rate.

Preferred positions will be sold by the year and for 52 insertions only.**INDEX TO ADVERTISEMENTS.**

Ammonia. —National Ammonia Co.	4
Ammonia Fittings. —Tight Joint Co.	24
Architects —Jackson Refrigerator Co.	33
J. T. Nicholson & Son.	40
J. G. Glover.	40
Artesian Wells. —Morton & Waugh Association.	—
Barrel Paint. —Whitelaw Bros.	33
Bagging. —W. Johnson & Co.	42
Bone Crusher. —The Foos Mfg. Co.	—
Blanchard Machine Co.	18
Stedman Foundry and Machine Works	18
Holmes & Blanchard Co.	18
Books. —Spoon & Chamberlain	30
Borax. —The Pacific Borax Co.	48
Brants. —T. Fisher.	26
Butchers' Supplies. (See Casings, also Machinery.)	—
Butchers, Wholesale. (See also Pork and Beef Packers.)—Armour & Co.	—
Consumers Veal and Mutton Co.	—
The Cudahy Packing Co.	36
Eastmans Co.	30
C. J. Gardner.	41
Hammond Co., G. H.	3
Kaufman & Stranahan.	30
Kingan & Co., Ltd.	36
Manhattan Beef Co.	30
O' man, Wm. & Co.	30
G. & D. Isaacs.	30
Sol. Sayles.	42
Schweinhild & Sulzberger Co.	30
J. M. & P. Scanlan.	30
Stern, Joseph & Son.	30
Swift, O. F. & E. C.	36
United Dressed Beef Co.	34
Richard Webber.	39
Calf-Skins (Green).—Page, Carroll S.	front cover
The New York Butchers' Calfskin Association.	36
Jos. Haberman.	13
P. D. malie & Son.	43
Canning Machinery. —Torris, Wold & Co.	28
Outlays.—Bechstein & Co.	32
Henry Bobbin.	41
Illinois Casing Co.	32
Levi Berth & Co.	32
Nelson, Morris, & Co.	front cover
Inspectors and Weighers of Provisions. —Gould, Thos. & Co.	—
Insulating Materials. —Standard Paint Co. (Paper).	—
F. W. Bird & Son.	29
Ernest & Salstein.	45
U. S. Mineral Wool Co.	41
Insurance. —Ettlinger & Freed.	—
Investments. —McLain Bros. & Co.	40
Mechem Investment Co.	—
Lager Beer. —Ruppert, J.	45
Lard Neutral. —Friedmann Mfg. Co.	33
Lard Cooter, Mixer and Dryer. —Dopp, H. Wm. & Son.	4
Lard Kettles (steam).—Dopp, H. Wm. & Son.	4
J. L. Mott Iron Works.	14
Lard Presses. —Boomer & Boschart Press Co.	23
The Hydraulic Press Mfg. Co.	39
Lard Tubs and Pails. —Mann Bros.	21
Acme Flex. Clasp Co.	20
Lard Tubs and Pails. —Frank Diesel Can Co.	14
Illinois Casing Co.	14
Richmond Cedar Works.	40
Record Man'y Co.	14
F. A. Walsh & Co.	14
Lasalite Paint. —L. A. Salomon & Bro.	15
Meat Hooks. —Devlin & Co.	—
Meat Cans. —Frank Diesel Can Co.	44
Meat Choppers. —Enterprise Co.	47
Duncan Mackenzie.	45
Packing House Machinery and Supplies.	—
Davis Warehouse Co.	11
Empire Laundry Mch. Co.	22
Fisher, Theodore.	44
F. K. Higbie.	7
Kley Engineering Co.	24
J. W. Moyer.	24
W. W. Michener.	22
Wm. B. Perrin & Co.	24
Sprague, W. W., & Co.	20
John E. Smith & Sons.	47
Weir & Craig.	20
Paint. —Standard Paint Co.	31
E. W. Dowoo & C. T. Reynolds Co.	18
Parchment Paper. —Paterson Parchment Paper Co.	29
Pipe Bending. —Cardell, James D., & Co.	12
Farrell & Rempe.	12
Pork and Beef Packers. —Armour & Co. outside cover	—
Armour Packing Co.	4
Anglo-American Provision Co.	36
Fredk Bohnet.	34
The Cudahy Packing Co.	36
The Jacob Dold Plg. Co.	36
Foster Debevoise.	33
Hammond, G. H., Co.	3
Jersey City Packing Co.	34
Kingan & Co.	18
Morris, Nelson & Co.	front cover
North Packing and Provision Co.	34
Ottmann, Wm., & Co.	30
Rohr & Brother.	front cover
Chas. Roess & Son.	42
Squire, John F., & Co.	4, 34
Swift & Co.	34
Tri-City Packing and Provision Co.	33
Potato Flour. —L. A. Salomon & Bro.	13
Preservatives. —Preservative Mfg. Co.	40
B. Heller & Co.	36
Callering Manufacturing Co.	38
Presses. —The Boomer & Boschart Co.	23
The Hydraulic Press Mfg. Co.	24
Pumps. —Barr Pumping Engine Co.	8
Taber Pump Co.	front cover
Provisions. —Synder, N. H.	30
Zimmerman, M.	32
Elsner & Keil.	45
Conrad Maisel.	45
Robert H. Kelly & Co.	33
Railroads. —"Big Fl'r."	40
Refrigerator Doors. —Stevenson Co., Ltd.	12
Rope and Twine. —H. Channon Co.	38
Rejected Meats. —T. D. W. Claussen.	42
Safe Deposit and Storage. —N. Y. Produce Exchange	—
change Safe Deposit Co.	45
Saltpetre. —Knowles Bros.	32
Whitelaw Bros.	11
Sausage Manufacturers. —Bacharach, Joseph.	32
Goldman, G.	42
M. Zimmerman.	32
Geo. W. Price.	42
Sausage Makers' Supplies. —B. Heller & Co.	35
Sausage Stuffer. —Union Machine Works.	24
Scates. —Buffalo Scale Co.	38
Chicago Scale Co.	44
V. H. Swinhart Co.	10
Skewers. —Jackson & Co.	41
Soap. —Armour Soap Works.	—
Soap Makers' Mach'y & Sup's. —H. Wm. Dopp & Son	48
Horsey Mfg. Co.	—
Houchin & Huber.	12
Weich, Holme & Clark Co.	23
Soda Ash. —Whitelaw Bros.	14
Jos. Lister.	24
Spices. —Plant & Stretch.	32
Fischer Mills.	1
Steamships. —Hamburg-American Line.	44
Tanks. —Wm. Graver Tank Works.	24
W. E. Caldwell Co.	28
Track Work. —Duncan, J., & Co.	38
J. W. Moyer.	38
W. W. Sprague & Co.	22
New Jersey Foundry & Machine Co.	40
Want and For Sale Ads.	46

The G. H. Hammond Company,

*Hammond, Ind., and
South Omaha, Neb.**Shippers of***COIN SPECIAL BRANDS OF****Beef Extract,
Canned Meats,
Hams and Bacon,
Lard, Etc., Etc.****HAVE NEVER BEEN EXCELLED.****Try our Lard Substitute,****"COOKENE"**

DRESSED BEEF, SHEEP AND HOGS.

Makers of

"CALUMET" BUTTERINE,

ESPECIALLY ADAPTED FOR SUMMER USE

New York Branch,
Boston Branch,
Chicago Branch309 Greenwich Street.
54 Chatham Street.
244½ T. I. Street

ARMOUR'S SOAP

ARMOUR'S WHITE, Absolutely pure, snow white Floating Soap, 10-oz. and 6-oz. cakes. Nothing finer made.

ARMOUR'S LAUNDRY, A guaranteed pure neutral Laundry Soap. 12-oz. oval cake, fits the hand.

ARMOUR'S FAMILY, Best Soap made for all Family purposes. 16-oz. solid cake of pure Soap.

ARMOUR'S COMFORT, 12-oz. square cake, pure Laundry Soap. There's comfort in its use.

ARMOUR'S WOODCHUCK, 10-oz. wrapped cake, Floating Laundry Soap. "It's a wonder and a winner."

ARMOUR'S KITCHEN BROWN, A pound bar of good Scouring Soap.

ARMOUR'S MOTTLED GERMAN, A Soap of wonderful cleansing and lasting properties. Cut in pound bars.

ARMOUR'S WASHING POWDER, Superior to all washing compounds, elixirs, etc. It is the Perfection of quick acting, labor saving "cleansers."

THE ARMOUR SOAP WORKS, CHICAGO. **ARMOUR & CO., PROPRIETORS.**

THE FRED. W. WOLF CO.,

Eastern Offices:
Bourse Building,
PHILADELPHIA, PA.
15 Broadway, NEW YORK.

Offices: 139 to 143 Rees Street,
Factory: 139 to 171 Rees Street, } CHICAGO.

SOLE MANUFACTURERS FOR THE U. S. OF THE CELEBRATED

LINDE REFRIGERATING & ICE MAKING MACHINE

Over 2,200 Machines now in actual operation, of which 319 are in Packing Houses. Send for Catalogue and complete list of users.

SWIFT & CO.....	Chicago	20—50	1000	S. SAN FRANCISCO PACKING CO.....	Baden, Cal.....	2—60...100
G. H. HAMMOND CO.....	So. Omaha, Neb	4—75	300	LOUISVILLE PACKING CO.....	Louisville, Ky.....	1—100...100
G. H. HAMMOND CO.....	Hammond, Ind.....	2—100	200	FORT MADISON PACKING CO.....	Fort Madison, Ia.....	2—50...100
SWIFT & CO.....	So. Omaha, Neb	{ 4—60	200	UNDERWOOD & CO.....	Chicago.....	2—40...80
SWIFT & CO.....		{ 1—100	10	LWA PACKING CO.....	Clinton, Ia.....	1—75...75
CUDAHY PACKING CO.....	Kansas City, Mo.....	2—100	200	CINCINNATI ABATTOIR CO.....	Cincinnati, Ohio.....	1—75...75
CUDAHY PACKING CO.....	Nashville, Tenn.....	2—75	150	HAMMOND STANDISH CO.....	Detroit, Mich.....	1—75...75
UNDERWOOD & CO.....	Sioux City, Ia.....	2—75	150	ALTON PACKING AND REFRIG. CO.....	Alton, Ill.....	1—80...80
ST. JOSEPH PACKING & TRANS. CO.....	Chicago	2—75	150	J. & F. SCHROTH PACKING CO.....	Cincinnati, Ohio.....	1—50...50
ARMOUR PACKING CO.....	St. Joseph, Mo.....	1—100	100	M. LAINE & CO.....	Montreal, Canada.....	1—25...25
	Kansas City, Mo.....	1—100	100	MICHIGAN BEEF AND PROV. CO.....	Detroit, Mich.....	1—25...25

THE National Ammonia Company.

The Recognized Standard of Quality
Throughout the World.

• • • • • ABSOLUTELY DRY AND PURE. —————

General Offices,
..... St. Louis, Mo.



LIQUID ANHYDROUS AMMONIA

AQUA AMMONIA.

Can be had of any of
the Representatives
named herewith.

Liverpool, Eng.—Jas. Simpson & Co.
Philadelphia.—Theo. J. Goldschmid.
Baltimore.—Wm. Mitchell.
St. Louis.—Mallinckrodt Chemical Works.
Larkin & Scheffer.
Kansas City.—Wm. H. Jennings.
San Francisco.—Pacific Ammonia and Chemical Co. Hermann & Co.

New York.—W. M. Schwenker. Mallinckrodt Chemical Works. The De La Vergne Refrigerating Machine Co.
Boston.—The Lyons Alexander Co.
Wilmington.—Delaware Chemical Co.
Buffalo.—Kast Copper and Sheet Iron Co.
Detroit.—Michigan Ammonia Works.
Cleveland.—Cleveland Commercial Co.

Cincinnati.—Herman Goepper & Co.
Chicago.—A. Magnus' Sons.
Fuller & Fuller Co.
Milwaukee.—The Chas. Baumach Co.
Pittsburg.—Union Storage Co.
New Orleans.—C. J. Michaloffsky.
Houston.—W. I. Bettis.

THE LEADING HOUSE.

H. WM. DOPP & SON,

MANUFACTURERS OF

SOAP MAKERS' and BUTCHERS' MACHINERY,

462 ELLICOTT STREET, BUFFALO, N. Y., U. S. A.

ONLY HIGH GRADE GOODS AND ABSOLUTELY THE BEST.

Seamless Steam Jacketed Cast-Iron Kettles, with and without Agitators,

Improved Lard Dryer, Mixer and Cooler,

Steam Jacketed Vacuum Pans, etc. Full Line of Soap Makers' Machinery.

DESCRIPTIVE CIRCULAR AND CATALOGUE ON APPLICATION



STEAM JACKETED KETTLE.

**THE
NATIONAL PROVISIONER,**
The Organ of the Provision and Meat Industries of the United States.

PUBLISHED WEEKLY.

THE NATIONAL PROVISIONER PUBLISHING CO.,

ROBERT GANZ & CO., PROPRIETORS.

NEW YORK CITY:
284 & 286 Pearl St.CHICAGO:
617-618 Manhattan Bg.
Dearborn St.PHILADELPHIA:
3 South Front Street.LONDON, England:
29 Farringdon Road,
E. C.

KANSAS CITY.

ST. LOUIS.

BOSTON:
45 No. Market St.

CABLE ADDRESS: "SAMPAK, NEW YORK."

SUBSCRIPTIONS.

Per Annum, invariably in advance, in the U. S. and Canada	\$4.00
Foreign Countries, except Canada (£1)	5.00

NEW YORK AND CHICAGO.

Vol. XV. Saturday, November 7, 1896. No. 19.
COPYRIGHTED, 1896.**50 PAGES.**

TABLE OF CONTENTS.

EDITORIAL:

Now for Business	5
Diminished Stocks	5
Exports	5

WEEKLY REVIEWS:

Provisions and Lard	7
Tallow and Oleo Stearine	19
Hides and Skins	11
Cottonseed Oil	15
Live Stock Reviews	9, 19
Chicago Provision Review	13
Rotterdam Oleo Report	17
Chicago Live Stock Review	13

TECHNICAL:

About the Cutting of Glue	21
Soap Making, No. 16	21
Answers to Correspondents	23

DEPARTMENTS:

Packing House Notes	29
Ice and Refrigeration	31
Tallow, Soap, Glue, Fertilizer and Cotton Oil Trade Notes	25

GENERAL:

Business Changes	27
New York City and Vicinity	31
New York Produce Exchange Notes	31
Rotterdam Review	17
Patents—American and Foreign	25
Markets	37, 39, 43

Index to Advertisements, Page 3.

The elections are over, thank God!

Hides will sell higher.

No booms are wanted!

Better times are in sight.

Europe needs our products.

Exports are on the increase.

The rates for sterling exchange are likely to drop, an abundance of bills being offered.

Live hogs ought to be cheaper.

Tallow is cheap at present figures.

Pickled meats and ribs look cheap.

Butchers should organize everywhere.

Hog and beef casings are looking up.

That ought to help the cotton oil business.

Business men can attend to their business again.

Business can settle down to its normal channels again.

Margarine and butterine will be in more demand before long.

Laws prohibiting sale or manufacture of this article should be repealed.

We look for a general and gradual improvement all along the line.

The difference between live hogs and hog products ought to be larger.

Let us have Presidential elections every seven years only. All good men ought to work together toward that end.

Fertilizers will bring more money and more activity is looked for in the article.

Lard will keep step with wheat and corn, and compounds will be in demand again.

That would enhance the value of neutral lard, as well as of oleo oil, and the former and the general public would be benefited.

People who buy cash or on eight days' credit should not give their customers a month's time.

NOW FOR BUSINESS.

Another Presidential election is over and has resulted, we believe, in a manner eminently satisfactory, not alone to the business community of the country, but to every man who has studied the issues brought forward in the campaign, and who believes in sound money, good government and the perpetuity of American institutions. The contest has been a protracted and a bitter one, and now that it is over and that the country has given its verdict, it is to be hoped that the day of uncertainty and unrest had passed, and that the wheels of commerce will start once more, the clang of the hammer and anvil be heard, and the great black smoke be seen belching forth from every factory in the land, all telling of restored prosperity, renewed activity and a general return to business. Evidences of this return to normal conditions are apparent, even as early as this after election day, but the change is quickening, and ere long will have made itself felt in all sections of this great Republic. The recent campaign, by reason of the questions, of both domestic and international significance, which it involved, had as crippling an effect on our foreign trade and relations as it had on business at home, and was, therefore, doubly injurious to American commerce. All fear, however, has now passed, like dew before the morning sun, and the country and its people look hopefully to the future and to those who have been placed in high office. That we may not look in vain, and that the best wishes and aspirations of a great people will be realized to the fullest extent, is a "consummation devoutly to be wished for."

DIMINISHED STOCKS.

Elsewhere in this issue will be found tables and comparative summaries of provision stocks at Chicago, Kansas City and South Omaha, on the 1st inst. We commend a

perusal of these statements to our readers, since in most cases they indicate a very decided falling off in the stocks as compared with those reported on Oct. 1 last. The winter packing season has now fairly begun, but despite the large corn crop the receipts of hogs are not nearly as liberal as they were at this time last year, and as an evidence that the aggregate packing in the West has fallen behind, we might cite that the killings of the past week were approximately 75,000 head less than in the corresponding week of last year.

EXPORTS.

According to the Treasury Department report, the month of September exceeded any previous similar period in the volume of exports accredited. The entire quantity as represented in currency aggregates \$21,684,784 as against \$16,352,356 for the corresponding month in 1895, a gain of \$5,000,000. This is a most surprising showing, as the depressed condition of the country's manufactures and trade generally, it was considered scarcely warranted such a return. An explanation of the circumstance may be found in the fact, that owing to the money stringency and depression referred to, the major portion of merchants and manufacturers in order to realize on their holdings sold to foreign consumers at a sacrifice. This applies especially to the meat and provision trades, having in view the period under consideration. American manufacturers and products generally will undoubtedly be stimulated with regard to prices and demand, alike for home and foreign consumption, the direct result of the late election, and with such progress made in the way of exports, under adverse circumstances we look forward to greater achievements as a manufacturing and exporting nation.

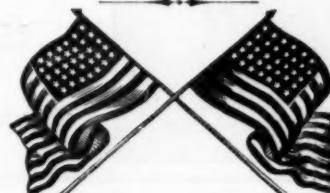
LETTER FROM OUR NEXT VICE-PRESIDENT.

"The National Provisioner" has received the following from Vice-President-elect Garret A. Hobart, which we gladly publish:

Thanks for your kind telegraph of congratulations. The Nation has vindicated itself and to the people belong the glory and honor. Yours very truly,

GARRET A. HOBART.

Paterson, N. J., Nov. 4, 1896.



SOUND MONEY'S TRIUMPH CAUSE ALL TO REJOICE.

"The National Provisioner" since the election of Tuesday last has been in daily receipt from all over the country of congratulatory telegrams upon the magnificent result, and from as many of our friends have come verbal expressions of satisfaction and gladness at the overthrow of the free silver heresy.

Messrs. William R. Perrin & Co., Chicago.—Sound money and the Nation's honor is upheld. The Middle West is all right.

From Mr. J. P. Lyman, general manager G. H. Hammond Co., Hammond, Ind.—The American people have shown they believe honesty is the best policy and that the government is supreme. The announcement of this verdict will give that confidence which is necessary for the revival of business in all (Continued on page 9.)

J. F. BEHN.

CARL BEHN.

THE BUFFALO REFRIGERATING MACHINE CO.

CONTRACTS TAKEN FOR
ARTIFICIAL ICE, REFRIGERATING AND COLD STORAGE PLANTS.

General Offices: 28 and 29 City Bank Building, 319 Main Street, Buffalo, N.Y.

New York Office: 52 JOHN ST.

Philadelphia Office: 435 CHESTNUT ST.

Manufacturers of Refrigerating Machines and Plants of any desired capacity for the cooling of Packing Houses, Abattoirs, Cold Storage Warehouses, Breweries, Dairies, Confectioneries, etc.

Also for the manufacturing of Artificial Ice by the Can System and by their New Improved Direct Ammonia Plate System

We Make a Specialty of COLD STORAGE AND REFRIGERATION
FOR BUTCHERS AND PACKERS.

DESCRIPTIVE CIRCULARS, REFERENCES, DETAILED ESTIMATES AND INFORMATION FURNISHED ON APPLICATION.



THE WM. MILD ICE MACHINE CO.

SOLE MANUFACTURERS OF

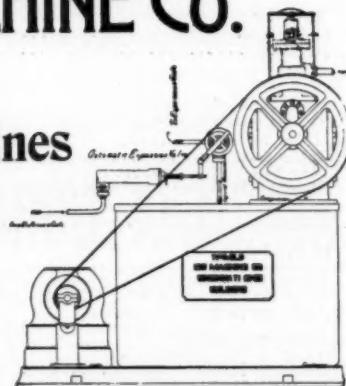
MILD'S PATENTED AUTOMATIC

Ice and Refrigerating Machines

Ranging Ice Capacity from 50 lbs. upward,
Furnishing Ice, Cold Storage or Both.

REMOVED TO CHARLESTON,
KANAWHA CO., WEST VA.

SMALL MACHINES OUR SPECIALTY. Also Mild's Automatic Ammonia
and Water Regulator.



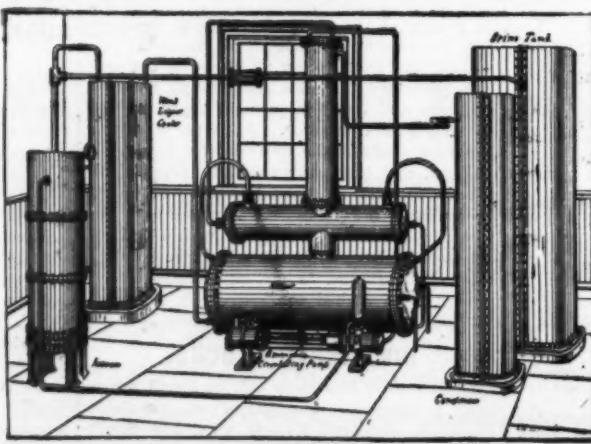
Simplicity. Best. Lowest Price.

CONDICT
ICE-MAKING
OR
REFRIGERATING
MACHINE.

Uses Less Fuel, Than Any
Uses Less Water Other Systems

BUILT BY
STEELE & CONDICT,
JERSEY CITY, N. J.

CORRESPONDENCE
SOLICITED.



REFERENCE LIST.

- KANENBLEY BROS., Provisions, New York City, N. Y.
- THE NEW YORK BISCUIT CO., Cracker Mfg., New York City, N. Y.
- WALLACE & CO., Confectioners, New York, N. Y.
- CENTRAL LARD CO., Lard Refiners, New York, N. Y.
- BUSH BROS., Provisions, Jersey City, N. J.
- JAMES MCILHINNEY, Provisions, Jersey City, N. J.
- D. FULLERTON & CO., Slaughterers, Paterson, N. J.
- MONMOUTH ICE CO., Mfg. Ice, Seabright, N. J.
- FIDELITY WAREHOUSE & COLD STORAGE CO., General Cold Storage, Trenton, N. J.
- PETERSBURG CRYSTAL ICE CO., Mfg. Ice, Petersburg, Va.
- WM. GRANT'S SONS, Provisions, Springfield, O.
- ISAAC WHIFFEN'S SONS, Provisions, Utica, N. Y.
- COOKE BROS., Oil Works, Elizabeth, N. J.
- HOTEL MARGARET, Brooklyn, N. Y.

PROVISIONS AND LARD.

WEEKLY REVIEW.

A HOLIDAY MARKET, practically, is all there has been to note in these staples the past week, outside of the little speculative demand at the close of last week and on Monday of this, on the sentimental idea that prices would advance after election, and, on the realization of the small profits accruing as soon as the elections were over. Outside of this, stagnation has been the rule throughout the list, so far in the week, and even in this respect there was neither any general strength nor activity, there having been but little more than a scalping market, the selling having been mostly by the packers and the buying by the shorts, of which latter the number is said to have been increased of late, as well as the amount of the short interest. Yet this sentiment in favor of higher prices, as the result of the election, is scarcely regarded as permanent, since the packers are supposed to be opposed to any advance thus early in the season, even if they consider one later as likely, of which they have given no indications of late. The spot trade, on the other hand, has held stubbornly out of the market for some weeks, both home and export, except for small lots for immediate wants, as they have expected, or feared, lower prices, on the opening of the packing season. Hence stocks in second hands must be extremely light in our domestic markets, though liberal abroad, owing to the continued heavy shipments from this side, on old contracts, to which is due largely the reduction in stocks at Chicago, on the first of the month, to about 155,000 tierces of lard and 28,000,000 lb of ribs, the latter having been about double what was expected, and the former somewhat more, together with a reduction in the world's visible of lard of 32,000 tierces for the month. On the other hand, the stock of pork, old and new, increased, which helped the weaker feeling in that staple, on Wednesday, and was communicated to lard and ribs. Of course the reduction in the stock of the latter was due more to home than to export demand, and it indicates a steady consumption by the domestic trade. These stocks are not exceptionally heavy, even on the opening of the packing season, when it is considered how much larger they have been this year and how rapidly they have been reduced, except in the case of pork, during the last four months, in face of a movement of hogs considerably in excess of last year, until the past two weeks, during which they have fallen materially below the late fall, as well as that of a year ago. There has been no special cause assigned for this decrease, and the movement of hogs seems to be normal and natural, yet steadily falling behind the daily and weekly estimates at nearly all points, with advancing prices West and East. While this continues there is little prospect of packers being able to force down the price

of hogs, and equally little of lower prices for products, as there is barely a manufacturers' profit in the latter, at present. There is nothing further new in conditions at home, as affecting this supply. On the other hand, stocks abroad are ample, for this season of the year, and do not indicate any immediate general business from the other side, of which there has been none reported since our last, even in lard, for the English market, noted last week, having subsided. The Continent has also been practically, if not entirely, out of the market, for everything on the list and shows little evidence of intention to come in, for the present, at least. The reason of this was given some time ago in this article, showing that owing to the short feed crops on the other side, the native supply of swine would be marketed earlier than usual this year, to save importing feed, and this would supply those markets for the early part of the packing season, to the exclusion of American products. It is likely, therefore, that this condition of things will continue until the first of January, or later, after which a falling off in the native supplies, both on the Continent and in the U. K. is expected to turn demand back on American lard and meats to a greater extent than a year ago, although Canadian products are likely to be preferred to our own so far as those supplies go, as was the case last year, since Canadian hogs make better bacon for the English markets.

Further than this there seems to be no noteworthy feature in these markets, though they have sympathized partially with wheat, which shows signs of doing better again, cables having come decidedly higher on the latter, after our election holiday, although foreign houses were very heavy sellers at the advance, of the options. But, to offset this to some extent, there were more free buyers of spot wheat and to arrive, as well as of flour, though less inquiry for corn for export was reported as well as for other feed stuffs. The late tendency of provisions to cut loose from grain has not been so noticeable this week as of late, owing to the disposition to discount better prices after election, but since this has panned out rather poorly there is a likelihood of less sympathy again between the grain and provision markets, unless continued light receipts of hogs should prevail; and the near future of these markets is likely to depend more upon this one influence than any other. As to the final outcome of this season's packing, there is little to cause uneasiness on the part of holders even should receipts of hogs increase as usual at this season of the year; or, as we go into the winter season, for prices are still low and the prospects for an improvement in legitimate trade and speculation are distinctly more favorable now that the financial scare, or the cause of it, is apparently removed by the result of the elections. The tendency is, therefore, to an enlarged home demand and to increased speculation in all these produce markets with the return of

normal financial conditions and an easier money market, the latter having been the great bugbear in every branch of trade, for the last month. Already the easier tone and better supply of money has been felt, since the occasion, or rather the excuse for hoarding gold has been removed; and, the prospect is that the late heavy importations, that have hitherto gone but in small degree into general circulation, will now be added to it, and bring about an easier money market if not a plethora of loanable funds, for it can scarcely be that over \$70,000,000 of gold, added to our normal currency, during the last three months, can not fail of having its legitimate effect on the money market, since the scare upon which it was hoarded is at an end.

As to spot business, so far this week, there has not enough been done to make it worth mention. Spot prices have been practically unchanged on all products in all markets. The only feature in the speculative market was that noted above in an early and moderate advance in anticipation of the election and the subsequent loss of the improvement on realization of the profit. There has been no heavy trading by any particular operator or packer though there has been a little more general activity. There was talk on Wednesday that a large short interest in Chicago was getting nervous and liable to be stamped at any time, but the reaction, on realizing, that day, did not seem to bear out these predictions. Further than this there is nothing new or of interest to be noted, to this writing, either in hog or beef products.

Thursday's markets were weak and lower with grain and on liquidation of ante-election buns, though receipts of hogs were 5,000 under estimates at Chicago. After a fairly active option trade, that market closed 10c. off for the day on pork; 7½c. on lard, that being the weakest on the list; and 7½c. on ribs, with only shorts buying. There was no other new feature; while spot trade showed no improvement whatever, except in lard, of which Glehil took 500 tierces for the U. K. Local refiners bought 5 tanks Western at \$4.30, while cost and freight was \$4.45 spot in tierces \$4.55@57½c., with small sales of City at \$4.25@30c., for refining. Refined for all markets was also lower, as per quotations below. Compound dull and easier; neutral, ¼c. off. Hogs at New York were ¼c. up and easier at Chicago. Beef was reported practically nominal for the week, as Mr. Bailey, of the Jersey City Packing Co., said, everybody had been guessing on the election instead of selling beef. But prices have been held firm at old quotations. Packing West for the last eight months has been 9,850,000 hogs, against 8,195,000 last year; and 280,000 for the past week, against 365,000 last year.

Friday's markets were weaker early on packers and foreign houses selling lard, to recover with wheat, closing 5c. up per day on pork, 2½c. on ribs, unchanged on lard. Western spot do, offered early at \$4.45 New

TREDWELL & SIMPSON,
Provisions,
240 La Salle Street,
CHICAGO.

BROKERS
in everything in the line of
Packing House Products

MEMBERS CHICAGO BOARD OF TRADE.
CORRESPONDENCE INVITED.

Fred. K. Niglie,

General Packinghouse Supplies.

SUITE 514-516,

TELEPHONE, MAIN 4668.

36 LA SALLE ST., CHICAGO, ILL.

If you are interested in purchasing your supplies from headquarters at the right prices, don't forget to figure with me.

PENNSYLVANIA IRON WORKS COMPANY

PHILADELPHIA.

BUILDERS OF THE

BOYLE

PLANS AND ESTIMATES

FURNISHED OF

REFRIGERATING PLANTS

For Breweries, Cold Storage
Warehouses, Markets, Hotels,
Packing Houses, Chemical Fac-
tories, etc.

ALSO, ICE MAKING PLANTS OF
ANY SIZE CAPACITY REQUIRED.

New York Office, 621 BROADWAY.
Southern Office, 44 BULL BLOCK, LOUISVILLE, KY.

Ice Making AND Refrigerating Machine

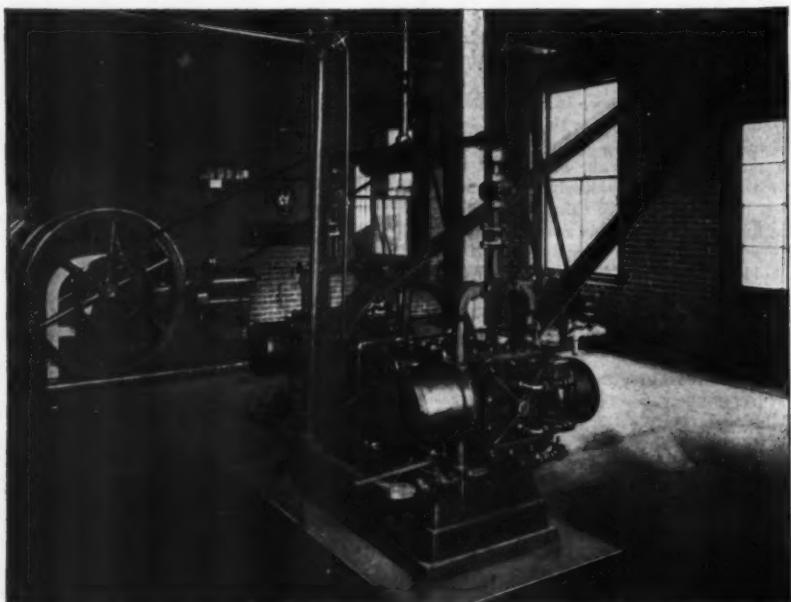
BUILDERS OF GAS AND GASOLINE ENGINES

FOR STATIONARY AND MARINE SERVICE.

Catalogues, Testimonials and other information
furnished on application to

Pennsylvania Iron Works Co.

50th ST. AND LANCASTER AVE., PHILADELPHIA.



Refrigeration.

This cut illustrates a plant driven by a gas engine at Newton Centre, Mass., in a general market.

If you want to know the superiority of our refrigerating machinery, we will tell you how to learn from those who have practical experience with it in their daily business.

If you wish to combine first-class ice making with refrigeration we will show you what satisfaction means in a plant running 18 boxes and making four tons of pure, clear plate ice per day.

If you want a refrigerating plant all we want is for you to learn what our plants do for those who use them.

Westinghouse, Church, Kerr & Co. ENGINEERS,
MANUFACTURERS OF REFRIGERATING MACHINERY,

Complete plants installed to run with any kind of power with the least care and attention and at the lowest cost. A good refrigerating plant is a money saver. A poor one is worse than useless. Let us know what you want to do and learn how we propose to do it. Address our nearest office.

NEW YORK, 26 Cortlandt Street,
BOSTON, 53 State Street,
PITTSBURG, Westinghouse Bldg.,
CHICAGO, 171 La Salle Street.

York, closing \$4.50; 1 tank, \$4.25 early, closing \$4.80; 100 city lard for refining, \$4.15; 275 iron-bound for Cuba, private terms; 100 boxes clear bellies, 5½c. Cuba; 300 pork at former quotations; city green hams, 8½c. for 12 lb, 8½c. for 10 lb; bellies, do, 5@5½c. for 12 lb to light;

We quote:

City lard stearine, 5½@5%; Western prime ditto, to arrive, 4½@5c. nominal; oleo stearine, city, 5@5½; yellow grease stearine, 3½@3½; white ditto, 3½@3½; tallow stearine, 4%; oleo oil at N. Y.—No. 1, 8@8½; No. 2, 6½@6½; No. 3, 5½@5%; oleo stearine at Chicago, 5; yellow grease stearine, 3½@3½; white ditto, 3½@3%; tallow stearine, 4@4%; Western steam lard, \$4.50; refined, Continent, \$5; refined, South America, \$5.25; refined Brazil, in kegs, \$6.25; compound for city, 4½@4½; compound for Western, 4%; neutral, West, 6; neutral, N. Y., 6; city steam lard, \$4.15; pork, N. Y., for new, \$8.50@\$9; pork, N. Y., for family, including city, \$11@\$12; pork, for N. Y., clear, \$10@\$10.50; beef, N. Y., corned and roast, 1-lb cans, \$1.05@\$1.15; 2-lb cans, \$1.85@\$2; 4-lb, \$3.75; 6-lb, \$6; 14-lb, \$14; mess, \$7@\$7.50; packet, \$8@\$9; family, \$9@\$10; extra India mess, in tierces, \$11@\$13; hams, West for new, \$15@\$16; cost and freight, N. Y., \$16@\$16.50; job lots, \$16.50@\$17; tongues, \$20@\$20.50 large; \$18.50@\$20.50 small; N. Y. City pickled shoulders, 4½@4½; clear boxed, 5½@5½; 12-lb bellies, 5½@5½; green hams, West, 6% for 20-lb, 7½ for 16-lb; 7½ for 14-lb, 8½ for 12-lb; California s. p. hams, 4%; N. Y. s. p. shoulders, nominal; N. Y. hogs, 4½@5½.

TALLOW AND STEARINE.

WEEKLY REVIEW.

Tallow, like other soap stocks, and like the provision markets in general, has been almost a nominal market so far this week. Exporters and home trade alike have been out except for small lots, for which they have paid old prices. There has been no change whatever in the situation at home or abroad, so far as reported, until Wednesday, when London came 6d. higher with all the offerings sold amounting to 2,400 casks. It is understood, however, that the French markets are also firming up, and that there is evidence from that source of renewed demand in the near future, as it was understood that at 3½c. business for France might have been done on Wednesday, although 3½c. was the last previous sale. But New York City meltters were not generally offering even at 3½c., although 250 hds. sold on that day at that price, but it was not stated whether for export or home trade. Otherwise nothing has been reported at New York, so far, except in small lots of country at 3½@3½c. early, and up to 3½c. midweek, with edible quoted at 4c. for country and 4½c. for city; total sales only amounting to 300,000 to 400,000 lb. On Monday a sale of 2,000 tcs. choice packers' tallow was reported in Chicago at 4c. for local soap makers. This is all that has transpired since our last, to this writing, so far as reported, East or West. There was no especial reason for the firmer feeling on Wednesday, except the improvement in export inquiry and the feeling that everything ought to do better, now that the national election is out of the way, and the result is generally favorable to the views of both exporters and holders. Of course, this latter is a sentimental reason, that may or may not prove to be influential in the further development of strength and activity, though at this writing, it is almost too early to judge of its effect. Greases have been held steadily in sympathy with tallow on moderate offerings, though it would seem there must have been some accumulations of late, both East and West, as in the case of tallow, though the firmness of holders, for the reason above

stated has prevented any pressure to sell. The only real change in the situation for the week, therefore, has been this increased confidence and indications of improved demand which would seem to indicate a more active market, at steady, if not stronger prices, in the near future. Whatever accumulations may have been, East or West, of late, are held with confidence by the meltters and not likely to be forced on the market.

STEARINES have been in the same condition as tallow, with only a small local trade reported in oleo, East or West, the market having been 5c. to sell and 5½c. to buy, either in Chicago or New York, ever since our last, with but very little inquiry reported, from refiners, and none whatever from exporters. There has been no pressure noticeable to sell, yet holders of oleo stearine do not appear to have been as confident as those of tallow, as there has been no improved demand noted in the former, as there has in the latter. In fact, there must be considerable accumulations of oleo stearine at the West, if not at the seaboard, as the outlet has not corresponded for some time past, to the production, which has been materially increased by the late advance in oleo oil at Rotterdam. It is quite possible, however, that production has been reduced since the reaction set in, yet it must be remembered that the compound lard refining demand has been very limited and from hand-to-mouth, for many weeks, if not months, and it has been equally long, since the exporters have come in to relieve the market. It would seem, therefore, that unless they come in again soon, this staple must either go to a low basis, or production be still further reduced.

In lard stearine there has been a little export demand from New York at about 5½@3½c. for city, yet nothing in excess of a jobbing nature, while local refiners of lard have not seemed to be in the market, for anything, East or West, the latter having been quoted at about 5c. nominal New York, to arrive, with about as little offered as has been wanted. In fact, the production of this staple seems to have been confined for some time past to the current wants of refiners and exporters, though at the seaboard there may have been some accumulations from pressers of lard oil, for which latter a fair demand has been reported at about 43c., but no large movement at that, or any other price, has been heard of for some time past. In grease and tallow stearines little or nothing has been done, East or West, both remaining nominal at quotations below.

OIL has been reported nominal at 48 florins in Rotterdam, ever since our last, without a sale up to this writing, while No. 1 oil has been quoted 8@8½c. nominal New York, 6½c. for No. 2, and 5½c. for No. 3. The condition of things at Rotterdam, while reported unchanged, is supposed to be one of stagnation, that is liable to develop into weakness and a further decline, as no improved demand has been reported at the late reaction from 56 to 48 florins; in fact, the former price was scarcely more than a jobbing one, in the absence of stock, caused by delayed arrivals the last two weeks; and any increased offerings or arrivals would tend to a further decline, unless there is an improvement in demand that has not yet been reported.

Thursday's markets were not so strong nor active as Wednesday's, in sympathy with the reaction in lard, though 200 hogsheads city were delivered on weekly contracts at 3½c., and 100,000 lb country sold at 3½@3½c.

Friday's markets were steady at 3½c. city, 50 hogsheads selling and more orders reported in market at that for local trade. 100,000 lb country 3½@3½c.; 50 barrels country edible, 4c.

City tallow, 3½c.; country packers, free, 3%@3%; edible, 4½@4½c.

Chicago Prices—3½ No. 2 packers, 4 choice packers.

Brown, 2½@3; yellow, 3½@3½; white 3½@3½; house and soap, 2½@3%; at Chicago—For A white, 3½@3%; for B white, 3½; for yellow, 2½@2½; for brown, 2½@2½; for bone, 2½.

Thursday's markets were weak and lower with lard and the general speculative list on liquidation of longs who had looked for a boom after election and been disappointed; 300,000 lb oleo stearine sold in Chicago at 5c. to local refiners with no more obtainable here; and in oleo oil, 100 Harrison's at Rot-

terdam at 43 florins, or 5 florins off last reported sales.

Friday's markets were entirely nominal, so far as reported, at New York, and were at Thursday's quotations, with no change or feature. Buyers seemed generally holding off though sellers were holding on steadily and not pressing sales.

SOUND MONEY'S TRIUMPH CAUSE ALL TO REJOICE.

(Continued from page 5.)

branches. We congratulate you upon your efforts in the cause of honest money.

Here are a few samples of other expressions of approval of the people's verdict from gentlemen whose names we withhold:

"Have nothing to say for publication. We, however, confidently expected yesterday's (Tuesday's) result."

Another gentleman in explaining that he had nothing to say for publication, said: "The American people said everything at the polls yesterday (Tuesday), when they declared for sound money and National honor. We will all join in the prosperity."

Here is another sample: "We believe the result of the triumph of sound money and protection means great prosperity to the country."

From many members in New York City of the great industry, this paper represents, have also come the assurance of their hearty approval of the splendid result. In the words of Abraham Lincoln, the American people can be trusted. They faced a crisis in the Nation's life at the polls last Tuesday and they met it as loyally and as valiantly as did the boys of '61. The American people had no use for a man who declared that one section of this free and broad and united land of ours was the enemy's. May the free silver fallacy at the dishonest ratio of 16 to 1 be forever buried as it is buried now, and may peace and plenty be the lot of the American people during the years to come."

C. A. Whyland & Co., of Chicago, say: "The result of the great battle has been quickly felt in financial circles. More gold has been in circulation during the past two days (Wednesday and Thursday) than was visible at any time since the free silver heresy began to threaten our National honor. All branches of trade are beginning to feel the quickening thrill of activity and confidence. The assurance that our National currency will not be debased has given a great impulse to speculation, which is the thermometer of the business world."

Robert H. Kelly, of the well known commission house at 226 La Salle street, was much pleased with the result of the election. "Now that the uncertainties and excitement which always precede a Presidential election are over," he said, "and the fact that the American people have once more demonstrated their ability and wisdom to govern themselves, we may look for a long period of extraordinary good times and unusual prosperity."

The United States, at present, is in a position to be envied by the whole world. Our large surplus of products and the advancing prices which have been seen during the past few weeks, owing to the scarcity abroad, will keep the balance of trade largely in our favor for a long time to come, and now that our national honor has been sustained, foreign capital will soon commence to seek investment here in larger amounts than ever before. The farmer's lot has, no doubt, been a hard one during the past few years, but it was undoubtedly due to the irrevocable law of supply and demand, and it now begins to look as though the tillers of the soil are soon to receive a proper reward for their patience and labors."

Treadwell & Simpson, Chicago, said: "We are gratified with the result of the election and are convinced that prosperity will follow restored confidence."

FULLERS EARTH

THE BEST ON THE MARKET. [Correspondence invited.]

As used by the leading Packers,
Lard Refiners, Soap and Cotton
Oil Manufacturers.

R. F. ABBÉ,

60 and 62 New St., New York.

November 7, 1896.



FRICK COMPANY

ENGINEERS.

ESTABLISHED 1853.
INCORPORATED 1855.

Capital, \$1,000,000.

S. B. RINEHART, President.
A. O. FRICK, Vice-President.
H. B. STRICKLER, Treasurer.
EZRA FRICK, Gen'l Man. & Sec.
THOMAS SHIPLEY, Manager Ice
& Refrigerating Machine Dept.

Manufacturers of the ECLIPSE ICE MAKING AND REFRIGERATING MACHINES. We build the largest and most successful Ice Making and Refrigerating Machinery made in this or any other country. Send for our list of References and New Ice Machine Circular, 1896, describing latest improvements and methods for Making Ice and Refrigerating. Also builders of First-class CORLISS STEAM ENGINES. Send for Corliss Engine Circular, 1896. Special High Speed (New Pattern) AUTOMATIC STEAM ENGINES. Send for High Speed Engine Circular, 1896.

Corliss Steam Engines. Ice Making Machinery.

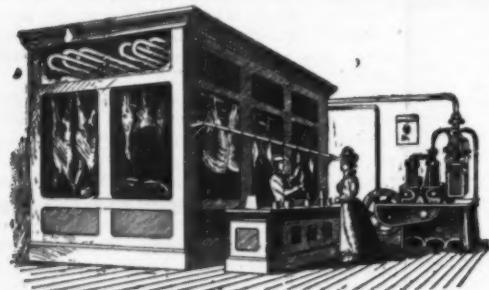
High Speed Engines. Steam Boilers.

Frick Company,

ENGINEERS.

WAYNESBORO,

FRANKLIN COUNTY, PA.



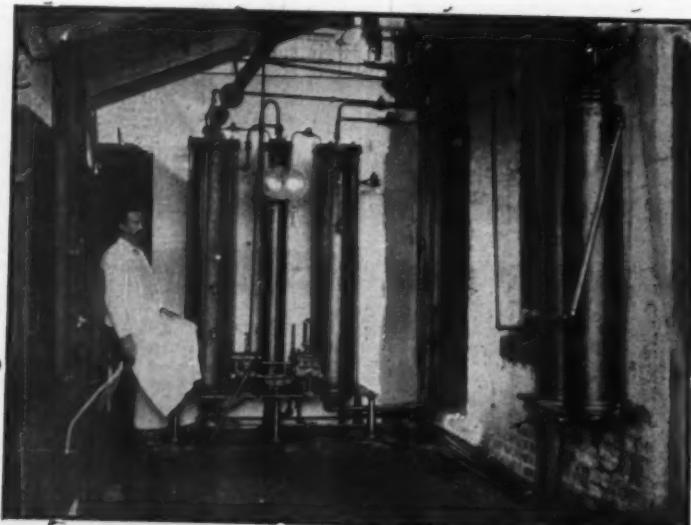
THE **BEST** REFRIGERATING MACHINE
Ever Made.

The ONLY expense of running is the cost of motive power and our machine requires LESS power than any other Refrigerating Machine.

ASK FOR CATALOGUE.

**The Economical
Refrigerating Co.**

1507 FISHER BUILDING,
. . . CHICAGO, ILL.



MCCRARY'S
SMALL • REFRIGERATING
AND **ICE MACHINES.**

Capacity, 250 lbs. to 10 Tons
Refrigeration.

SPECIAL ADVANTAGES. No engine or motor power required. No experienced engineer required. Simplicity in construction and operation. Only a few hours operation per day required. Always furnishes Pure Distilled Water for ice making, table use or medicinal purposes, (no other small machines do.) Most economical in operation. Especially adapted for use by butcher's, hotels, dairy-men and bacon-curing establishments.

For further information and testimonials, address

E. VAN WINKLE GIN & MACHINE WORKS,
ATLANTA, GA.



V. H. Sweinhart Company,

33-175 DEARBORN ST., CHICAGO,

SCALES — OF EVERY DESCRIPTION
FINISHED IN NICKEL, JAPAN
AND BRASS.

Best Material, Finest Workmanship, Lowest Prices.

PACKERS AND BUTCHERS'
SCALES A SPECIALTY.

WRITE FOR DESCRIPTIVE CATALOGUE
AND PRICES.



HIDE AND SKIN MARKETS.

CHICAGO.

PACKER HIDES.—In the absence of sales it is claimed that prices are very firm, and this cannot be disputed. The election has been the great point of interest for a week past, and neither sellers of buyers cared to operate until the decision was made, and after that was done it has taken some time for rejoicing, so that business has hardly yet got started. It is conceded that the election will help business by increasing confidence, but as to prices of hides the improvement has been anticipated, and it is hardly to be expected that prices will go much if any higher at present. Packers are not anxious about the future of hides, and unless they can get full quotations they will not sell. The large sales to the United States Leather Co. in the past few weeks has reduced the stocks very materially, so that packers are in an easy position as regards hides, and they can afford to be firm, as it looks as though the sun is sure to shine on their side of the street for some time to come. We quote:

NATIVE STEERS, 60 lb and up, 9 $\frac{1}{4}$ c., and holders are firm at that figure.

LIGHT NATIVES, 8 $\frac{1}{4}$ @9c.; where they were sold alone 9c. has been obtained.

No. 1 BUTT-BRANDED STEERS, 60 lb and up, are strong at 8c., with sales at that price.

No. 1 TEXAS STEERS, 60 lb and up, steady and firm, with the light 50 to 60 lb selection selling at 7 $\frac{1}{4}$ c., and extreme light at 7 $\frac{1}{2}$ c., with sales at the above figures.

No. 1 COLORADO OR SIDE-BRANDED STEERS, 60 lb and up, are held at 7 $\frac{1}{4}$ c., with sale of 1,400 to establish that figure.

BRANDED COWS show more firmness, and 7 $\frac{1}{4}$ c. is the lowest price that the packers will name.

NATIVE COWS, 55 lb and up, are held at 9c., with the light selections at 8 $\frac{1}{4}$ c.

BULLS, 7 $\frac{1}{4}$ c. for natives and 5 $\frac{1}{2}$ c. for branded.

COUNTRY HIDES.—In country stock, while the market is strong, tanners oppose any higher prices, and with good reason, for they have not been able to get prices for leather that gives them any encouragement when they come to paying higher prices for hides, and some of the largest tanners have refused to buy at the advance, and with them out of the market dealers find it not an easy job to get much of an advance.

BUFF HIDES, 40 to 60 lb, 8@8 $\frac{1}{4}$ c. for No. 1's, though tanners say that above 8c. they will stay out of the market. No. 2 buffs 7 $\frac{1}{2}$ @7 $\frac{1}{4}$ c. There have been so few sales for several days that it is hard to give correct for No. 2's.

EXTREME LIGHT HIDES, 25 to 40 lb, are firm at 8 $\frac{1}{2}$ c. for No. 1's and 7 $\frac{1}{2}$ @7 $\frac{1}{4}$ c. 2's.

NATIVE STEERS, 60 lb and up, free of brands and grubs, are held firm at 8c. for No. 1's, with 7c. for No. 2's.

SIDE-BRANDED STEERS, 6 $\frac{1}{4}$ c. flat.

HEAVY COWS, 60 lb and up, free of grubs and brands, 8c., with the No. 2's at 7 $\frac{1}{2}$ c.

SIDE-BRANDED COWS, 6 $\frac{1}{4}$ c. flat.

BULL HIDES are held at 6 $\frac{1}{2}$ c., but no

late sales. No. 2's at 5 $\frac{1}{2}$ c.; there are but few on the market.

CALFSKINS, 7 to 15 lb, 9 $\frac{1}{4}$ c. for No. 1's and 8 $\frac{1}{4}$ c. for the No. 2's; there is a fair demand.

KIPS, 15 to 25 lb, 8 $\frac{1}{4}$ c. for No. 1's and 7 $\frac{1}{4}$ c. for No. 2's, with only moderate demand.

DEACONS, 40@45c.

SLUNKS, 20@25c.

HORSEHIDES quiet, with quotations \$2.50@\$2.75.

SHEEPSKINS have been in better demand, especially for green salted skins, and the sales have cleaned up the market.

NEW YORK.

GREEN SALTED CITY HIDES.—The sellers have not been offering hides to any extent for a week past, owing no doubt to the election, and since then they have not pushed sales, believing that hides are good property and that there is no need to be in any hurry about selling, as they do not believe that prices under present conditions will be any lower for some time to come at least. It is not probable that there will be any effort to boom prices, though the ideas of holders are very firm and consequently they are not ready to listen to any talk of anything except full quotations. Any quotations that we can give at this time are only nominal, as no late sales have been made, though it is safe to say that the highest figures at which late sales were made will be asked. We quote:

NATIVE STEERS, 60 lb and up, 9@9 $\frac{1}{4}$ c., with latest sales at 9c., though we may be able to give later figures from actual sales, if any are made in time.

BUTT-BRANDED STEERS, 60 lb and up, 7 $\frac{1}{4}$ @8c., but no late sales to report.

SIDE-BRANDED STEERS, 60 lb and up, 7c.

BULLS, 7c., with but few to offer.

COWS, 7 $\frac{1}{4}$ @8c.

COUNTRY HIDES are steady with fair demand and light receipts.

CALFSKINS.—The market is very firm, and with light receipts there is no surplus. In fact, some dealers are sold ahead. Prices have lately been advanced, so that 13@14c. per lb is now paid to butchers for green skins.

HORSE HIDES are in fair demand, mainly for export. Prices are steady at about \$2.60@\$2.80.

CATTLE TAILS are in good demand at firm prices.

BOSTON.

HIDES.—In the absence of business the market is considered very firm with full quotations asked. Buff hides are held firmly at 8@8 $\frac{1}{4}$ c., though but few sales have been made for a week.

NEW ENGLAND HIDES are held at 8c. flat.

CALFSKINS meet with good demand for fresh salted skins, but for old stock there is but little call.

PHILADELPHIA.

HIDES.—The hide market quieted down, owing no doubt to the election, but now that the question has been settled in a way to give increased confidence, it is believed that there will be a more active business and more hides will be moved. We quote:

STEERS, SELECTED (country), 7@7 $\frac{1}{2}$ c. COWS, 6 $\frac{1}{2}$ @7c.

BULLS, 5 $\frac{1}{2}$ @6c.

CALFSKINS.—There is an improved demand mainly for the heavier weights.

SUMMARY.

There is but little to say in reviewing the market for the reason that there has been so little done in the way of sales. The election was the great disturbing factor in the general business of the country, and while business men expressed themselves as confident of the outcome, they were not willing to make any arrangements far ahead until it was decided, and it has taken since the election several days for congratulations and other things before the people can get down to solid business. It can safely be said that prices of all kinds of hides are firm, though it is not to be expected that we shall see any material advance in prices, as the improvement has been anticipated and prices went up accordingly, until tanners are complaining that prices are already above what is warranted by the prices of leather. Dry hides are firm and reports come from South America that prices are higher there than in New York. Country hides have gone above the ideas of tanners, and a number of the large Western upper leather tanners have refused to give orders at present prices, so that viewed from all points it looks as though prices may remain firm at about present quotations, though there is hardly room for much more advance at present.

CHICAGO PACKER HIDES.—We quote: Native steers 60 lb and up, 9 $\frac{1}{4}$; butt-branded steers, 60 lb and up, 8; side-branded steers, 60 lb and up, 7 $\frac{1}{4}$; Texas steers, 60 lb and up, 8 $\frac{1}{4}$; Texas steers, 50 to 60 lb, 7 $\frac{1}{4}$; branded cows, 7 $\frac{1}{4}$; No. 1 native cows, 55 lb and up, 9; bulls, No. 1's, 7 $\frac{1}{4}$; bulls, No. 2's, 5 $\frac{1}{2}$;

CHICAGO COUNTRY HIDES.—Buffs, 40 to 60 lb, No. 1's, 8@8 $\frac{1}{4}$; buffs, 40 to 60 lb, No. 2's, 7 $\frac{1}{2}$ @7 $\frac{1}{4}$; extreme light, 25 to 40 lb, No. 1's, 8 $\frac{1}{4}$; extreme light, 20 to 40 lb, No. 2's, 7 $\frac{1}{2}$ @7 $\frac{1}{4}$; native steers, 60 lb and up, No. 1, 8c.; native steers, 60 lb and up, No. 2's, 7; side-branded steers, flat, 6 $\frac{1}{4}$; heavy cows, 60 lb and up, No. 1's, 8; heavy cows, 60 lb and up, No. 2, 7 $\frac{1}{2}$ c.; side-branded cows, flat, 6 $\frac{1}{2}$; bulls, No. 1's, 6 $\frac{1}{4}$; bulls, No. 2's, 5 $\frac{1}{2}$; calfskins, No. 1's, 9 $\frac{1}{4}$; calfskins, No. 2's, 8 $\frac{1}{4}$; kips, No. 1's, 8 $\frac{1}{4}$; kips, No. 2's, 7 $\frac{1}{4}$; deacons, 40@45; slunks, 20@25; horse hides, No. 1's, \$2.50@\$2.75; horse hides, No. 2's, \$1.50@\$1.75.

NEW YORK.—Native steers, 9@9 $\frac{1}{4}$; butt-branded steers, 7 $\frac{1}{4}$ @8; side-branded steers, 7; coms, flat, 7 $\frac{1}{2}$ @8; bulls, flat, 7; country cows, No. 1's, 7@7 $\frac{1}{2}$; country calfskins, No. 1's, per lb, 13@14; country calfskins, No. 2's, per lb, 11@13; horse hides, \$2.00@\$2.80.

BOSTON.—Buff hides, 8@8 $\frac{1}{4}$; New England hides, 8c.

PHILADELPHIA.—Country steers, 7@7 $\frac{1}{2}$; country cows, 6 $\frac{1}{2}$ @7; country bulls, 5 $\frac{1}{2}$ @6.

LEATHER BELTING MANUFACTURERS' ASSOCIATION.

The annual meeting of the association will be held in New York City, at the Astor House, on Wednesday, Nov. 18, at 11 A. M. The election of officers for the ensuing year will take place. Members are requested to be present or represented, and to advise George H. Blake, secretary, No. 28 Ferry street, New York, as to their intention to be in attendance.

Lard Tubs—Ash.

Lard Tubs—Soft Wood, Fancy or Plain.

H. & G. Fullers' Earth, Lump or Pow'd.

Tub Fasteners, Wire or Tin.

Tripe and Pigs' Feet Packages.

The Davies Warehouse and Supply Co.

189 LA SALLE ST., CHICAGO.

ESTABLISHED 1878.

PACKERS' SUPPLIES.

Bungs, Plugs, Vents.

Saltpetre, Crude and Granulated.

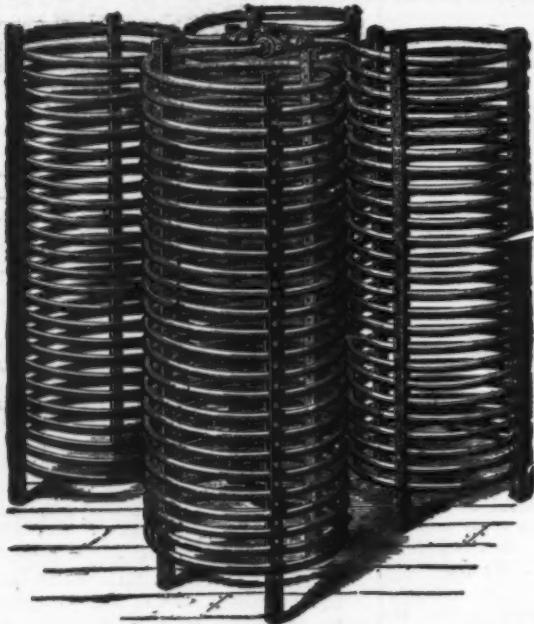
Imported English Salt.

Coarse Burlap for Press Cloths.

German Potato Flour.

FARRELL & REMPE CO.

MANUFACTURERS OF
IRON PIPE COILS



For ICE AND REFRIGERATING MACHINES.

PIPE WELDING BY ELECTRICITY.

AMMONIA FITTINGS OF ALL KINDS.

Sacramento and Carroll Avenues,

CHICAGO, ILL.

SEE COUPON PAGE 27.



THE ONLY REALLY AIR-TIGHT DOOR MADE.

Aside from all its other merits, its easy opening and closing is enough and will save its cost in a few weeks in any busy meat market or storage house.

Write for Circular with Diagrams and Photo-Illustration.

\$1—ONE DOLLAR.

Send us \$1, and we will send to you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 146 pages, cloth bound.

The National Provisioner Publishing Co.,
NEW YORK:
CHICAGO:
284-286 Pearl St. 617-618 Manhattan Bldg.

James D. Cardell & Co.

PIPE BENDING WORKS,

Manufacturers of

Coils of Wrought Iron Pipe,

For Ice and Refrigerating Machines,

Chemical Works, Soap Factories.

COILS OF ANY DESIRED WELDED LENGTH.

RISING SUN LANE AND NORTH PENN R. R.

PHILADELPHIA, PA.

—Prices on Application.—

TURN YOUR TALLOW INTO SOAP.

Write for ESTIMATES and Catalogues to

Houchin & Huber.

TOILET AND LAUNDRY Soap Machinery.

39, 41, 43 & 45 Fifty-Third Street, BROOKLYN, N. Y.

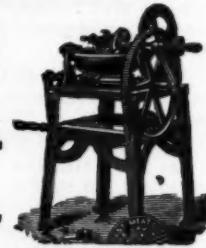
2,000

Machines Sold

OF

NEW SILENT MEAT CUTTER.

Send for Catalogue.



P. Billingham & Co.,
Trenton, N. J.

New York Agent, S. OPPENHEIMER, 96 Pearl Street.

The American Cotton Oil Company

Manufacturers and refiners.

Cotton-Seed Products

Oil, Cake, Meal,

Linters, Ashes, Hulls.

THE AMERICAN COTTON OIL COMPANY,
46 Cedar Street, New York.

Cable Address: AMCOTOIL, New York.



KANSAS CITY STOCKS, NOV. 1.

The report of Kansas City stocks on Nov. 1 shows the following increases and decreases:

Increases—S. P. shoulders, 21,128 lb. "Other kinds" lard, 86 tierces, short clear middles, 144,900 lb; D. S. bellies, 825,060 lb; S. P. hams, 316,111 lb; other cut meats, 1,348,920 lb

Decreases—Mess pork, 510 barrels; P. S. lard, "contracts," 1,907 tierces; short ribs, 449,049 lb; extra S. C. middles, 598,100 lb; dry salt shoulders, 391,225 lb; other kinds of pork, 1,324 barrels; long clear middles, 87,307 lb; S. P. bellies, 1,213,577 lb; S. P. skinned hams, 116,231 lb. Hog receipts for October, 1896, show a decrease from the same month in 1895 of 29,492 head, and an increase over October, 1894, of 24,766 head.

SOUTH OMAHA STOCKS, NOV. 1.

The report of stocks at South Omaha on Nov. 1 shows the following increases and decreases:

Increases—P. S. lard, "contract," 287 tierces; other kinds of lard, 110 tierces. D. S. bellies, 482,506 lb; S. P. California, or "picnic" hams, 34,558 lb; S. P. skinned hams, 124,897 lb.

Decreases—Mess pork, 1,147 barrels; short ribs, 2,750,540 lb; extra short clear middles, 2,491,865 lb; dry salt shoulders, 23,513 lb. Other kinds of barrelled pork, 1,339 barrels; short clear middles, 200,243 lb; long clear middles, 11,520 lb; S. P. shoulders, 440,780 lb; S. P. hams, 226,071 lb; S. P. bellies, 252,124 lb; other cuts of meats, 152,921 lb. The receipts of hogs for October increased over September by 119 head, and showed a decrease of 5,521, compared with October, 1895.

LIVERPOOL STOCKS, NOV. 1.

Liverpool stocks on the 1st inst. were: Bacon, 600 boxes; hams, 1,110; shoulders, 1,600, and lard, 79,000 tierces. On Oct. 1 the returns were: Bacon, 11,500 boxes; hams, 900; shoulders, 3,800, and lard, 79,000 tierces.

PROVISION EXPORTS.

Exports of provisions for the week ending Oct. 31 were: Pork, 5,003 barrels; bacon and hams, 12,326,887 lb, and lard, 16,598,366 lb. In the corresponding week of 1895 the figures were: Pork, 6,814 barrels; bacon and hams, 9,742,258 lb, and lard, 9,354,206 lb.

WESTERN PACKING.

Western packing for the past eight months was reported as being 9,850,000, against 8,195,000 for the same period of last year.

STOCKS OF PROVISIONS IN KANSAS CITY**AT CLOSE OF BUSINESS, OCT. 31, 1896.**

Oct. 31, 1896. Sept. 30, 1896.

Mess pork, bbls.....	1,567	2,077
Other kinds pork, bbls.....	503	1,827
P.S.lard, "contract," trcs.....	3,628	5,530
Other kinds lard, trcs.....	3,192	3,100
Short rib middles, lbs.....	548,892	997,941
Short clear middles, lbs.....	780,197	635,297
Extra S. C. middles, lbs.....	765,269	1,363,396
Long clear middles, lbs.....	32,817	120,124
Dry salt shoulders, lbs.....	1,370,225	1,761,450
D. S. bellies, lbs.....	1,537,685	712,625
S. P. shoulders, lbs.....	209,310	188,082
S. P. hams, lbs.....	5,678,864	5,362,753
S. P. bellies, lbs.....	1,680,520	2,894,097
S. P. California hams, lbs.....	857,919	1,464,620
S. P. skinned hams, lbs.....	696,860	813,091
Other cut meats, lbs.....	3,093,395	1,744,475

LIVE HOGS.

Oct. '96. Oct. '95.

Received.....	212,849	232,340
Shipped.....	17,767	23,947
Driven out.....	196,005	209,357

STOCKS OF PROVISIONS IN CHICAGO.**AT CLOSE OF BUSINESS, OCT. 31, 1896.**

Oct. 31, 1896. Sept. 30, 1896.

Mess pork, winter p'ck'd, new, bbls.	10,550	101,388
Mess pork, winter p'ck'd, old, bbls.	96,402	—
Mess pork, winter packed, old,	1,572	3,914
Mess pork, summer packed, bbls.	195	—
Other kinds of barrelled pork, bbls.	23,498	28,436
Prime steam lard, "contract," trcs.	154,932	206,362
Other kinds of lard.....	5,890	5,429

Short rib middles, lbs.....	20,036,022	37,351,630
Short clear middles, lbs.....	3,106,167	4,589,768
Extra short clear middles, lbs.....	5,306,321	6,016,161
Long clear middles, lbs.....	133,929	112,894
Dry salted shoulders, lbs.....	1,273,043	67,624
Sweet pickled shoulders, lbs.....	667,589	1,702,562
Sweet pickled hams, lbs.....	16,277,039	14,888,057
Dry Salted bellies, lbs.....	4,284,618	4,807,072
Sweet pickled bellies, lbs.....	3,898,440	4,331,885
Sw. pickled Cal. or picnic hams, lbs.	5,201,154	4,476,906
Sw. pickled Boston shoulders, lbs.	1,000,660	984,255
Sweet pickled skinned hams, lbs.	7,048,315	4,346,990
Other cuts of meats, lbs.....	12,782,495	9,255,281

MOVEMENT OF PRODUCT.

	Received, Oct. '96.	Shipped, Oct. '96.
Pork, bbls.....	716	29,863
Lard, gross weight, lbs.....	4,549,988	64,288,817
Mts., gross weight, lbs.....	14,023,051	89,919,667
Live hogs, No.	777,922	149,517
Dressed hogs, No.	34	9,567

Average weight of hogs received, Oct. 21; Oct. 1895, 230; Oct. 1894, 232.

STOCKS OF PROVISIONS IN SOUTH OMAHA, NEB.**AT CLOSE OF BUSINESS OCT. 31, 1896.**

	Oct. 31, 1896.	Sept. 30, 1896.
Mess pork, bbls.....	405	1,552
Other kinds barrelled pork	280	1,619
P. S. lard, "contract," trcs.....	1,129	805
Other kinds lard, trcs	700	590
Short rib middles, lbs.....	1,020,615	3,771,135
Short clear middles, lbs.....	107,150	307,463
Extra S. C. middles, lbs.....	865,527	3,357,492
Long clear middles, lbs.....	62,341	73,861
Dry salt shoulders, lbs.....	214,505	238,120
S. P. shoulders, lbs.....	324,752	764,532
S. P. hams, lbs.....	4,443,260	4,669,321
S. P. bellies, lbs.....	935,010	452,504
S. P. bellies, lbs.....	424,739	680,863
S. P. Cal. or p'c hams, lbs.....	1,292,648	1,238,090
S. P. skinned hams, lbs.....	933,546	808,649
Other cut meats, lbs.....	1,294,336	1,457,257

LIVE HOGS.

	Oct., 1896.	Sept., 1896.
Received.....	95,186	95,067
Shipped.....	7,095	12,442
Driven out.....	86,543	81,778

THE WORLD'S SUPPLY OF LARD.

Cable advices to the N. K. Fairbank Company give the following estimates of the stocks of lard held in Europe and afloat on the 1st inst., to which are added estimates of former years, and stocks in cities named:

	1896, Nov. 1.	1896, Oct. 1.	1895, Nov. 1.
Liverpool & Manchester.	78,000	78,000	45,000
Other British ports.....	17,500	18,000	6,500
Hamburg.....	30,000	30,000	15,000
Bremen.....	2,000	2,000	2,000
Berlin.....	4,000	3,000	4,000
Baltic ports.....	15,500	15,500	16,000
Amsterdam, Rotterdam, Mannheim.....	1,500	1,500	1,500
Antwerp.....	45,000	45,000	22,000
French ports.....	16,500	17,500	11,500
Italian and Spanish ports.....	1,000	1,000	1,000
Total in Europe.....	210,600	211,500	124,500
Afloat for Europe.....	90,000	70,000	55,000
Total in Europe and afloat.....	300,600	281,500	179,500
Chicago, contract.....	104,932	205,362	15,571
Chicago, other kind.....	5,596	5,429	7,384
East St. Louis.....	6,815	8,636	2,415
Kansas City.....	1,822	1,425	1,510
Omaha.....	16,966	15,965	11,173
New York.....	—	—	—
Total tierces.....	486,631	519,474	217,938

CHICAGO.

(MALLORY, SON & ZIMMERMAN CO.)

(Written especially for The National Provisioner.)

HOGS.—The great battle is over, and a great majority of the American citizens have been heard from. Comments from us at this time are entirely unnecessary, and as the agitation preceding this election has unsettled business conditions for the past two or three years we think the sooner the people settle down to actual business and realize that even the agitation is over for some time at least, the better it will be for them and for the people generally. If every business man, and, in fact, every thinking man, will accept the situation as it is and know that this

country should be the most prosperous at all times, it will not take long for the lost confidence to be restored, and we believe that every one will have learned some good lesson from his recent experiences.

Receipts of hogs were light the fore part of the week, the shipping and speculative demand was good and prices reacted, until light medium weight and choice hogs sold as high as they did on the advance some two weeks ago. The demand for heavy packing hogs was rather indifferent and the provision market dull and unsatisfactory. The packers seemed to be satisfied that the receipts would increase materially after the election and were willing to operate on that basis, causing a weak and unsettled market, prices declining 10¢/20¢ during the past two days compared with the best prices of the week. Prices for hogs at country points have advanced to such a point that there is no profit for the shippers at the decline here, and until prices change, either in the interior or at market centers, we do not look for very heavy supplies. In fact, with much let up in the swine plague and better confidence among holders of hogs, we would not look for very heavy receipts during this month. The quality of the offerings is not what it should be if the supply of matured hogs is large, and we see no reason to change our opinion regarding the receipts for the near future. Of course, at this writing it is impossible to foretell what effect the result of the election will have on the speculation in provisions, but with a continuation of the advance in wheat, we still believe speculation will come into the provision market and prices rule higher. However, until this occurs we still advise our readers to work on a conservative basis and not discount the future until the provision market warrants it.

CATTLE AND SHEEP.—The cattle market operated much the same as the hog market, the receipts early in the week being comparatively light, and increasing the latter part of the week. Choice matured cattle are comparatively scarce and command the best prices of the season. Other grades weakened somewhat, but prices averaged strong throughout. We look for fair receipts during this month, but still have confidence in the market for good cattle.

Moderate receipts of sheep and lambs and a continuation of the strong demand caused an active trade, and prices during the week were somewhat higher; but we look for larger receipts in the near future, and would not be surprised to see some reaction.

CHICAGO PROVISION MARKET.

Nothing of importance was expected of the Provision Market the past week, and we got nothing but evening-up of trades, etc., so as to be ready for the boom after McKinley is elected. The market was firm all the week, each day adding from 5 to 7½¢ to the price, closing Monday at the top, in sympathy with wheat and corn. The whole trade seemed very confident that McKinley would be elected and that everything would go higher, and when they are all that way, it's generally a good plan to bet they are wrong, and this time proved no exception to the rule. McKinley was elected by a glorious majority. Stocks and wheat opened with a rush, and provisions, not to be outdone, joined the parade. Commission houses were loaded with buying orders, and first sales of January pork were \$8.20 to \$8.25, an advance of 22½¢ since Monday. Lard opened at \$4.60, an advance of 10¢; ribs, at \$4.05. These opening prices were the highest, and under free offerings by the packers they steadily declined, and closed weak, at the lowest prices of the day. Fancy pork, \$7.90, a loss of 35¢, a barrel from the high point; fancy lard, \$4.42½¢, a loss of 17½¢; January ribs, \$3.92½¢, sellers, a loss of

FRANK DIESEL CAN CO.



MANUFACTURERS OF

Lard Pails and Meat Cans,
PLAIN AND DECORATED.

*Tin Cans and Sheet Metal Work of
all kinds.*

STEWART AVENUE,
Bet. 39th and 40th Streets

CHICAGO, ILL.

102 Michigan Street, CHICAGO.



STAMPED WITH DIR.

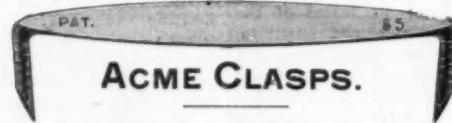
NONE AS GOOD OR HANDSOME AS
The Acme Lard Pail

THE BEST IN USE. THEY WILL NOT LEAK.
Used by all the Leading Packers and Butchers.

F. A. WALSH & CO., Manufacturers,
Milwaukee, Wis.



LITHOGRAPHED LABEL.



THE BEST AND ONLY RELIABLE COVER FASTENER FOR
PAILS, TUBS AND BOXES.
USED AND ENDORSED EVERYWHERE BY

LARD PACKERS AND SHIPPERS.

ACME FLEXIBLE CLASP CO.
SOLE MANUFACTURERS.

Clark and 17th Sts., CHICAGO, ILL.

**HAVE YOU GOT IT YET ?
SEE COUPON PAGE 27.**

FULLERS EARTH

Established 1842.

**JOHN P. SQUIRE & CO.'S
PURE KETTLE-RENDERED LEAF LARD**

21, 23, 25

Faneuil Hall Market,

BOSTON, MASS.

**HICKEY & SPIEKER CO.
IMPORTERS,**
CONTINENTAL BANK BLDG,
218 La Salle Street, CHICAGO.

Incorporated 1892.

MOTT'S

New Double or Jacket Steam Kettle
FOR BOILING AND RENDERING.



PLATE 408.

Copyrighted 1892 and 1893 by the J. L. Mott Iron Works
in their publications.

THE J. L. MOTT IRON WORKS,
34 to 90 Beekman Street, New York.

SEND FOR CATALOGUE.

**LARD AND OIL
SHIPPING PACKAGES.**

AIRTIGHT.
No Summer Cover Needed.



CORRESPOND WITH US.
RECORD MANUFACTURING CO.
Conneaut, Ohio.

WHITELAW BROTHERS,
ST. LOUIS, MO.
Sal Soda, Caustic Soda and Soda Ash,
FULLERS EARTH, SALTPETRE
BARREL PAINTS AND BORAX.
CORRESPONDENCE SOLICITED.

SEE COUPON ON PAGE 27.

12½c. To-day's opening of the market was too good an opportunity for the packers to loose. They are all bearish. But the great trouble has been that outside trade is so very small. They have to sell to each other and do their scalping among themselves. So, this morning, when some brokers from the wheat pit appeared and bid for provisions, they soon got all they needed. If they did not want to pay \$8.20 for pork, it was offered to them at \$8.15 or \$8.10. There is nothing very bullish in the provision situation. The hog receipts for the past few days were very small. But that was expected, for the stock yard commission merchants were advising their shippers to hold back shipments until after election. The election of McKinley is a glorious victory for sound money, and will have a very beneficial effect on general business. But it's hardly to be expected that we are going to boom right off. The situation in wheat is very strong, and on its merits will probably sell for a dollar a bushel on the crop. This will be caused by the shortage of the world's crop. But there is no such reason for a big advance in corn or provisions. Our opinion is that corn and provisions are a sale on every advance.

RANGE OF MARKETS.

THURSDAY, OCTOBER 29.

Open. High. Low. Close.

PORK—	December..	6.95	6.95	6.90	6.90
LARD—	December..	4.30	4.30	4.25	4.25
RIBS—	December..	3.60	3.65	3.60	3.60
	January....	3.85	3.87½	3.82½	3.82½

FRIDAY, OCTOBER 30.

PORK—	December..	6.95	6.95	6.95	6.95
LARD—	December..	4.17½	4.22½	4.17½	4.22½
RIBS—	December..	3.62½	3.62½	3.62½	3.62½
	January....	3.82½	3.90	3.82½	3.90

SATURDAY, OCTOBER 31.

PORK—	December..	7.07½	7.15	7.07½	7.15
LARD—	December..	4.27½	4.32½	4.27½	4.32½
RIBS—	December..	3.72½	3.72½	3.72½	3.72½
	January....	3.90	3.97½	3.90	3.95

MONDAY, NOVEMBER 2.

PORK—	December..	7.12½	7.12½	7.12½	7.12½
LARD—	December..	4.30	4.30	4.27½	4.27½
RIBS—	December..	3.72½	3.72½	3.70	3.72½
	January....	3.97½	3.97½	3.92½	3.97½

TUESDAY, NOVEMBER 3.

Election Day. No Market.

WEDNESDAY, NOVEMBER 4.

PORK—	December..	7.07½	7.07½	7.02½	7.02½
LARD—	December..	4.25	4.27½	4.22½	4.22½
RIBS—	December..	3.75	3.75	3.70	3.70
	January....	4.05	4.05	3.92½	3.92½

CASH PROVISIONS.

The market on green meats is steady, with offerings comparatively light. In fully cured meats the lighter averages are well sold up and difficult to obtain. But the heavy averages are being offered more freely, and at prices a trifle lower than our previous quotations. Green hams, 16 average, 7¾c.; 18 average, 6¾c.; 20 average, 6½c.; 18 to 20 average, skinned, 6¾c.; picnic hams, 5 to 6 average, 4¾c.; 7 average, 4¾c.; 8 average, 4¾c.; 10 average, 4c.; green New York shoulders, 3¾c.; green bellies, 8 to 10 average, 6¼c.; 10 to 12 average, 5¾c.; S. P. hams, 18 to 20 average, shipment next week, 7½c.; 20 average, cured, 7¾c.; 18 to 20 average, skinned, 8c.; 16 average, November delivery, 8¼c.; De-

*Continued on page 19.***Established 1867.**

L. A. SALOMON & BRO.,
216 Pearl Street, NEW YORK.

IMPORTERS
OF THE
Well-known Brands.



Superfine Bolted

Fullers Earth
for Bleaching and Refining

Lard, Cottonseed and other Animal and Vegetable Oils, Tallow, Greases, etc.

CUM DEXTRENE
(For Labeling on Wood and Tin).

Best German Potato Flour.

Powdered French and Italian Talc.

Superfine Pure Silex (Flint).

Mineral White (called Silex).

Magnesian White (A Soap Dryer).

**Sulphate of Barytes,
Calcined Plaster, etc., etc.**

**Lasalite Preservative Paint,
Acid and Waterproof.**

For Painting of Storage Tanks, Iron Pipes, etc.

Correspondence Solicited.

COTTONSEED OIL.**WEEKLY REVIEW.**

We have had a holiday market for this staple the past week, with scarcely a change or feature, except the continuation of conditions noted in our last. Everybody was disposed to hold off until after election, especially the buyers, exporters having withdrawn from the market entirely, except for an occasional small order or to fill out old shipments. On the other hand, sellers have not attempted to force business, as the situation at the South has remained unchanged, although there have been plenty of them, at last week's decline. There has been no forced liquidation, however, and it would have been of no use to have attempted it. As far as crude oil is concerned, there has been only an occasional buyer in the market, as was the case in refined, and only the Atlantic coast mills have been offering so far as reported. Prices practically are the same as at the close of last week, namely, 18@18½c. f. o. b. at the mills, while refined at New York has been offered at 26c. There has been no change reported in the price of, or demand for, seed, at the South; and quotations for that, or oil, at Mississippi Valley and Texas points, have hardly been made. It has, therefore, in truth been a holiday week throughout the trade, with almost nothing transpiring, of which to write. The standing excuse for this stagnation has been, "Waiting until after election," but evidently the foreign markets have been in little want of stock, as that reason, otherwise, could have no little effect on demand from the other side, and only a temporary effect upon the demand here. Holders pretended to look for better prices, after that event, in which the success of the single-standard party, had been anticipated at the East; yet there was no speculation whatever, on this anticipation, as in other markets, hence, after the result was known, the same conditions continued, up to this writing, with sellers at old prices, and buyers out of the market. Crude in barrels has been offered at 22c., New York, and generally at 18c., at the mills with only a few sales reported in that or in refined. The cost of seed at the South has precluded much further reduction in prices for oil, as there has been no disposition there to market the crop at lower figures. A sympathetic stagnation in other soap stocks has also had its effect on this market and hence there has been no stimulus to increase demand. There was a sale of 200 barrels of white oil for export on Monday for 28c., which was one or two cents under late nominal quotations.

As to the outlook for this staple it can scarcely be regarded as unfavorable, notwithstanding the protracted stagnation in all soap stocks, for the situation has changed but little, if any, since the late activity and strength while the result of the elections is regarded as favorable to the future of this market, by

THE JACKSON REFRIGERATOR CO.*Cold Storage Architects and Engineers.*

PACKING HOUSE PLANTS. We make plans for modern Packing House Plants, with machinery of the latest design for Killing, Rendering, Refining and Making Oleo, Neutral, Glue, Fertilizer, etc. Our plants embody all the most advanced ideas.

MECHANICAL REFRIGERATION. We design complete, mechanical Cold Storage Plants, with valuable improvements in insulation, ventilation and mechanical equipment.

VENTILATION. We make the ventilation of machine refrigerated houses a specialty. Fresh air without condensation or fluctuating temperatures.

ICE REFRIGERATION. Our new low temperature ice system gives a dry air at 32 degrees, and is unequalled for carrying perishable goods. It produces a purer, sweeter air and better results than most machine houses.

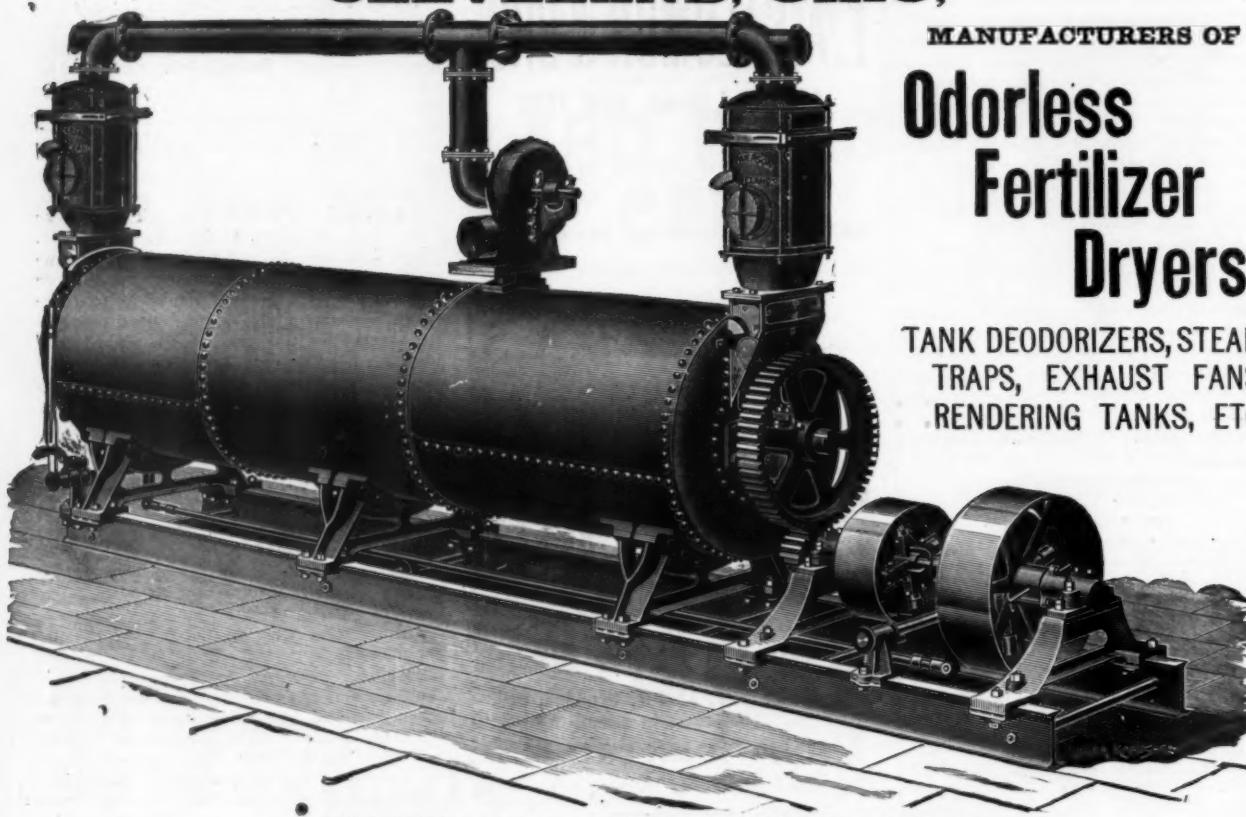
325 SO. DEARBORN STREET, CHICAGO, ILL.

THE V. D. ANDERSON CO.,
CLEVELAND, OHIO,

MANUFACTURERS OF

**Odorless
Fertilizer
Dryers,**

TANK DEODORIZERS, STEAM
TRAPS, EXHAUST FANS,
RENDERING TANKS, ETC.



ANDERSON No. 3 SINGLE CYLINDER DRYER.

THEO. SMITH & BRO.,

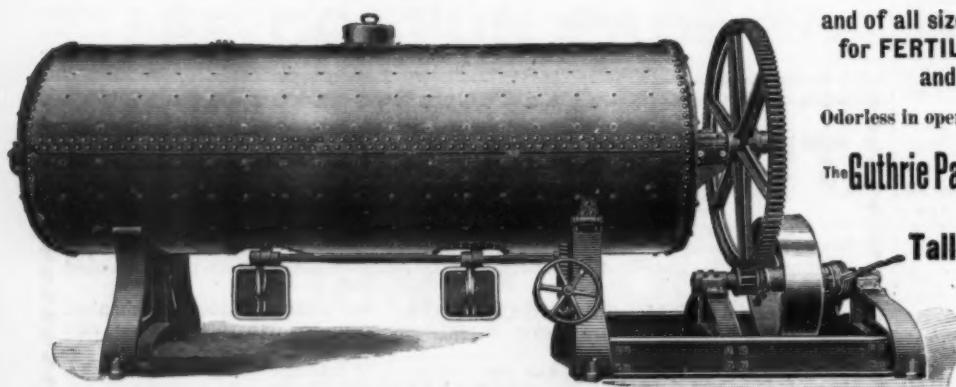
MANUFACTURERS AND DESIGNERS OF SPECIAL MACHINERY FOR
OLEO OIL AND BUTTERINE FACTORIES AND LARD REFINERIES.

P. O. BOX 98.

FOOT OF ESSEX STREET, JERSEY CITY, N. J.

Manufacturers of all kinds of

DRYERS—



SMITH'S FERTILIZER DRYER.

and of all sizes from 5 to 3 feet Diameter
for FERTILIZERS, CHEMICAL WORKS,
and all other purposes.

Odorless in operation. Give universal satisfaction.

The Guthrie Patent Deodorizing Condenser.

Tallow Rendering Tanks,
Lard Coolers, etc.

*Used in the leading Packing-Houses
and Abattoirs and by the prin-
cipal Butchers throughout
the country.*

SEND FOR CATALOGUE AND PRICE LISTS.

both buyers and sellers. It would not be strange therefore if exporters should soon reappear in the market for refined, though ocean freights still rule against a free movement; yet this was true, during the late loan. The indications of returning export demand for tallow are therefore liable to be communicated to this market, in the near future, and this no doubt may account for the comparative steadiness of holders, though no actual export demand has yet been reported, except for the small lots above noted, and perhaps some job lots of butter oil, on which quotations have not been established this week. The break in the cotton market on Wednesday was regarded as speculative in character, rather than caused by any changed estimate of the cotton crop, as it was the result of foreign selling by parties who bought in anticipation of the final outcome of the election and higher prices, as was the case in wheat, in both of which those buyers were anxious to realize their profit, as soon as this result was known. It can hardly have any effect, therefore, on the cottonseed market and hence on that of cotton oil.

Thursday's markets were like those of the whole week, nominal at 26c. asked for prime yellow, 22c. for crude in barrels, 18c. asked at Atlantic coast mills, and the only bids reported for anything being 17c. for the latter, by New York refiners. Cotton oil meal has been more plentiful at the North and easier at \$19 per ton New York.

Friday's markets were easier and nominal at 25½c. asked for prime summer yellow, though some held at 26c. and claimed a steadier tone to market on June holdings and cost of seed, though there are some accumulations of oil at the South. Crude in small lots sold at 22c. with tank quoted 18@18½c. at mills, and rumored 3 sold at 18½c. in Alabama to go West.

COTTON CAKE AND MEAL QUOTATIONS.

The Houston (Tex.) quotations for cake and meal, f. o. b. interior mill points, according to location, are as follows:

	Short ton.
Prime cottonseed cake.....	\$12.50 @ 14.00
Prime cottonseed meal.....	12.50 @ 14.00
Cottonseed hulls	2.50 @ 3.00

For export direct from Houston \$16 to \$16.50 are the quotations, while New Orleans quotes \$17.25 to \$17.50, long ton.

ROTTERDAM REVIEW.

Although provisions have been in good demand during the last week, trade has not been so lively, which is due to the approaching winter time and larger home killings. Compared with former years, there are no reasons of complaints and the volume of business very materially exceeds that of a year ago. The stocks of the American hog products are very small, yet the signs of a falling off of the demand do not influence the importers to buy at present and only very few transactions, not to say nothing, has been closed this week. Offers generally have been very steady, only heavy short fat backs showed a decline of 0.75 per 100 kilos, as early in the week fl. 28.74 has been asked, whilst later offers of fl. 28, have been in the market. From the German side, though the demand there also is decreasing, some orders have come in and resulted in the sale of extra long clear middles, short clear middles, clear bellies and some lard. As to the future of provisions, much will depend upon the price, after the pronounced decrease in value this summer, the importers have regained their sight upon prices and though in face of the weak wheat markets and the bumper corn crops of later years, every one expects a severe decline soon, they are now better prepared to lay hold upon cheap offers and load up for the coming season. Very probably, also, they will buy more as actually wanted when the price is low, and, in short, a lively trade is anticipated.

Cattle has been in fair demand at unchanged prices, receipts have been nominal and were readily laid hold of.

Hogs are getting somewhat cheaper again,

the receipts are medium and have been in fair demand. As to the future supply of hogs, nothing can be reported yet. There are plenty of pigs, however, and, with an abundance of cheap feeding materials, it leaves no doubt the majority will be transferred in decent porkers. In Germany the wheat crop has been injured to a large extent by wet weather and rendered a large portion unfit for human food; it will all have to be fed to hogs and consequently the hog crop there will be very large. In England the quantity of pigs in farmers' hands is reported slightly in excess of last year, which has been one of plentitude. Oleo oil has been in a rather peculiar position during the last week, whilst all the leading extra brands were selling at fl. 53d@54. Morris extra cleared at fl. 50, and Armour extra in the second hand reported to be sold at fl. 48. In face of such markets it speaks for itself that the butterine manufacturers have not shown so much eagerness of buying all that was offered and prefer to wait which side the market will take. The latter, however, is not doubtful, with a continual large butterine demand in England, high butter prices, small stocks and shipments, not much of a decline can be expected and the market will prove to be strong enough to resist the efforts to depress prices, and, in fact, under the present conditions a decline can only be very temporary. Sales for the week amount to 1,300 tierces, stocks about 800 tierces, shipments 7,100 tierces.

Natural lard on the spot sold at fl. 43, later it has become more quiet in face with weaker American markets; on shipment offers have been in the market at fl. 41.

Cottonseed continues to be very firm and large contracts have been closed. Later in the week the demand for goods on the spot has been more quiet.

Josiah Macy's Sons,

Receivers of

COTTONSEED OIL

CRUDE AND REFINED.

191 Front Street

NEW YORK.

E. H. FERGUSON, President. R. C. WAGGENER, Treasurer. J. J. GAFFREY, Secretary.

KENTUCKY REFINING CO.

LOUISVILLE, KY., U. S. A.

Refiners of All Grades of

COTTONSEED OIL.

"ECLIPSE" BUTTER OIL.

"SNOWFLAKE" PRIME SUMMER WHITE.

SUMMER { White C/S Oil.
Yellow C/S Oil.

WINTER PRESSED { White C/S Oil.
Yellow C/S Oil.

SUMMER AND WINTER WHITE "MINERS" OIL. YELLOW AND WHITE COTTONSEED STEARINE.
CRUDE C/S OIL. "RED STAR" SOAP. SOAP STOCK.

TANK CARS FURNISHED FREE FOR SALES OR PURCHASES.

SPECIAL TIES:

"SNOWFLAKE" PRIME SUMMER WHITE. This oil is prepared especially for Lard Compounds; is sweet and wholesome, being bleached without a particle of acid. A trial means you will use no other.

"ECLIPSE" BUTTER OIL. A strictly choice Vegetable Oil, selected and prepared especially for Butter Manufacturers; equaled by none other for quality and uniformity.

"DELMONICO" COTTON OIL. This brand of Cooking Oil needs no introduction; speaks for itself, and for Culinary Purposes is synonymous with finest.

"NONPAREIL" SALAD OIL. A strictly Winter Pressed Oil, prepared expressly for Druggists, Culinary and Salad Purposes; guaranteed to remain bright and limpid at 32° Fahr.

"KENTUCKY REFINING CO.'S" WINTER PRESSED OILS. Guaranteed pure and to remain bright and limpid at 32° Fahr. The very best made for any climate.

Quotations furnished upon application.

KENTUCKY REFINING CO.,
2017 to 2033 Shelby Street,
LOUISVILLE, KY.

Cable Address: "REFINERY," LOUISVILLE.

GLOBE REFINING CO.

REFINERS OF

COTTON OIL.

CABLE ADDRESS,
"GLOBE, LOUISVILLE."



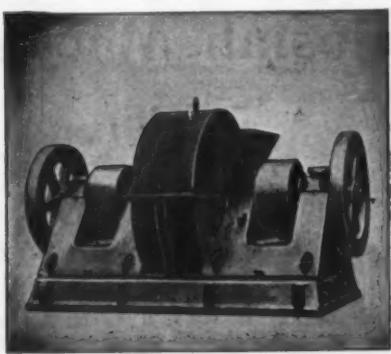
Prime Summer White

FOR LARD COMPOUNDING.

Quality Guaranteed. All Other Grades of Cotton Oil.

DIAMOND FULLING AND SCOURING SOAP.
Obtain our prices before buying.

LOUIS K. FERGUSON, President.
CLEMENTS G. HEWITT, Sec. and Treas.



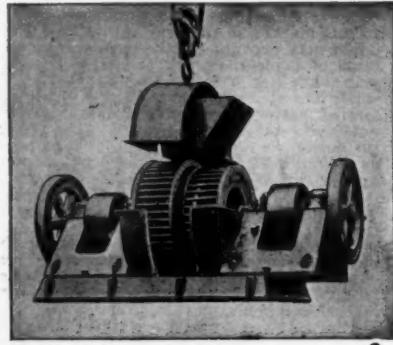
"Stedman's Disintegrators" ARE THE BEST

Are used by nearly every large packing house and fertilizer establishment in the United States. References:

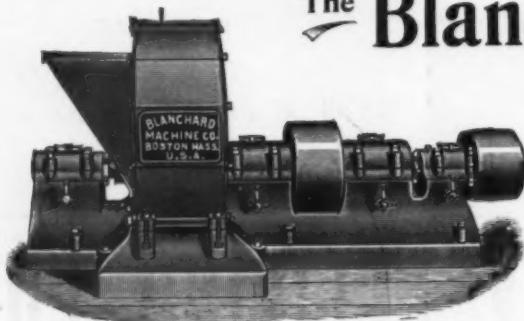
Armour & Co., Chicago and Kansas City.
Swift & Co., Chicago, Kansas City and East St. Louis.
Cudahy Packing Co., Omaha, Neb.

Write for Catalogue and full Descriptive Matter.

We manufacture machinery for equipping complete fertilizer plants, consisting of Disintegrators, Bone Breakers, Mixing Pans, Screening Elevators, Engines, Boilers, Shafting, Pulleys, etc.



Stedman Foundry and Machine Works, AURORA,
IND.



The Blanchard Disintegrator

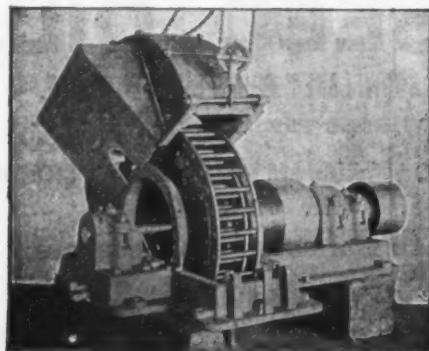
WILL GRIND Bone, Glue, Glue Stock, Guano, Meat Scraps, Oyster Shells, Tankage, Soap Powder, Soft Phosphates, Sheep Skulls, or any friable material. The lubrication and dust proofing have been lately perfected, and the machines will do heavy work with ease.

Write for our 1896 Catalogue.

BLANCHARD MACHINE CO.,

303 Congress St.,
BOSTON, MASS.

ESTABLISHED 1861.



The ORIGINAL HOLMES & BLANCHARD CO.'S Improved Disintegrators.

THESE MILLS WILL GRIND RAW AND STEAMED BONES, TANKAGE, CHEMICALS, GLUE AND OTHER HARD MATERIALS.

We manufacture all machinery for equipping Fertilizer Plants complete, including Mixers, Elevators and Screens of every description, Automatic Cars, etc. Experienced Engineers furnished to lay out work. Blue prints furnished and estimates given.

PRICES TO SUIT THE TIMES.

HOLMES & BLANCHARD CO.

37 Charlestown Street, Boston, Mass., U. S. A.

Be sure and write us for Prices and Catalogue before placing orders.

F. W. DEVOE AND C. T. RAYNOLDS CO.

ESTABLISHED 1755.

THE OLDEST AND LARGEST PAINT MANUFACTURING

CONCERN IN THE WORLD.

NEW YORK:
101-103 FULTON STREET.

CHICAGO:
176 RANDOLPH STREET.

FINE VARNISHES FOR ALL PURPOSES.
PURE MIXED PAINTS, COLORS DRY AND IN OIL.
HARD WHITE ENAMEL PAINT,
GRAPHITE PAINT TO PREVENT RUST ON IRON WORK.
BRUSHES. *WRITE US FOR INFORMATION, SAMPLES AND PRICES.*

MANUFACTURERS OF

CHICAGO CASH PROVISIONS.
(Continued from page 15.)

ember delivery, 8c.; 18 average, November delivery, 7½c.; 18 average, December delivery, 7½c.; 18 to 20 average, skinned, November or December, 7½c.; S. P. picnics, 5 average, 20 to 30 days old, 5c.; 6 to 8 average, 4½c.; 8 to 10 average, 4¾c.; S. P. bellies, 7 to 9 average, 6c.; 8 to 10 average, 5¾c.; dry salted regular short ribs, 60 average, \$3.82½; dry salted regular short ribs, 55 average, \$3.87½c.; dry salted cut short ribs, 50 average, \$3.62½; dry salted cut short ribs, 45 average, \$3.67½; dry salted cut short ribs, 40 average, \$3.72½; dry salted cut short ribs, 35 average, \$3.77½; dry salted extra short ribs, 40 to 45 average, \$3.82½; dry salted extra short sears, 40 to 45 average, \$3.82½; dry salted short rib backs, 31 to 33 average \$3.75; dry salted clear fat backs, 25 to 30 average, \$3.72½; dry salted clear bellies, 20 days in salt, 18 to 20 average, \$4.40; dry salted clear bellies, 20 days in salt, 20 to 25 average, \$4.00; dry salted clear bellies, fully cured, 22 to 25 average, \$4.00; dry salted clear bellies, fully cured, 16 to 18 average, \$4.40; pigs' feet, barrels, \$5.10; ½ barrels, \$2.10; ¼ barrels, \$1.15; ¼ barrels, 70c.; kits, 50c.; pure lard, tierces, \$4.80.

KANSAS CITY LIVE STOCK REPORT.

The Kansas City stock market reports for past week show cattle higher, hogs a fraction lower, with sheep steady.

Receipts of cattle Kansas City past week.....	43,521
" " corresponding week in 1895.....	35,577
" " 1894.....	39,490
" " 1893.....	53,033
Receipts in Chicago, St. Louis, Omaha and Kansas City for past week.....	120,700
Same cities corresponding week 1895.....	135,700
" " 1894.....	155,500
" " 1893.....	168,300
" " 1892.....	157,500
" " 1891.....	140,300
" " 1890.....	136,200
Receipts same cities for October, 1896.....	539,860
" " 1895.....	688,000
" " 1894.....	764,000
" " 1893.....	752,000
" " 1892.....	711,000
" " 1891.....	720,000
" " 1890.....	688,000

Receipts same cities for 10 months in 1896.....	4,548,676
" " 10 ".....	4,595,129

Packers slaughter in Kansas City, October:

	Cattle.	Hogs.	Sheep.
Armour Packing Co.....	33,674	50,533	19,457
Swift & Co.....	42,750	55,527	25,139
Schwarzchild & S. Co.....	10,621	10,402	6,439
Jacob Dold Packing Co.....	3,373	26,270	617
Geo. Fowler, Son & Co.....	793	26,218	139
Total.....	120,211	108,950	51,791

Packers' slaughter in Kansas City, past ten months:

Armour Packing Co.....	294,861	728,171	.....
Schwarzchild & S. Co.....	205,044	89,436	.....
Swift & Co.....	229,571	39,039	.....
Gro. Fowler, Son & Co.....	217,089	334,324	.....
Jacob Dold Packing Co.....	30,760	262,890	.....
Total for 19 months, 1896.....	787,325	1,798,400	565,297
Corresponding time, 1895.....	769,026	1,671,297	500,998
" " 1894.....	798,875	1,561,685	326,948
" " 1893.....	757,213	1,158,948	312,488
" " 1892.....	557,827	1,414,772	185,029
" " 1891.....	444,977	1,509,635	182,257
" " 1890.....	488,496	1,846,737	167,382

The following is very significant—only a straw, you know, but then it tells how goes the wind:

Receipts of cattle in Chicago, past week.....	42,400
" " Kansas City, past week.....	43,800
" " Chicago, for October.....	226,200
" " Kansas City, for October.....	212,189

The cry comes from all parts of the Western country of short cattle supply. And it would seem as if there was getting to be a foundation for the same. In former years the cry from Texas would be plenty of cattle, but grass very scarce—now it is the reverse. Southwestern Texas: "Never such an abundance of grass and water, and so few stock to eat it." In West Texas, coyotes and other wild animals increasing at such a rate that losses from calves and sheep are from 5 to 20 per cent., according to the locality; and the cry is, something must be done, or many stockmen will have to go out of the business. The report from the Republic of Mexico is that not one-half as many cattle will come up this year as last. Steers very scarce. Cows held back for breeding purposes, and

worth as much money in Mexico as they would bring on Kansas City market. It is estimated that the drive of cattle from Montana will be fully 25 per cent. less than last year. The State Auditor for Nebraska has just sent in the returns, and this is the way they read:

Cattle in Nebraska, in 1896.....	1,030,695
" " 1895.....	1,068,897

And more significant still, the Assessor's returns for the State of Iowa:

Cattle in Iowa, in 1895.....	3,273,525
" " 1896.....	2,262,987

Showing a shortage of over 30 per cent., or 1,010,538.

A little food for reflection—but as usual, the State nicknamed by the politicians as "Poor Old Missouri," claims the banner for raising poultry—showing a production of one year of 50,000,000 lb.

The cattle used by dressed beef men and exporters were in small supply during the week; but we are climbing up to a 5c. market, this week some 1,208 lb average selling at \$4.80. Eastman paid \$4.70 for some 1,682 lb average. Some good cattle sold at \$4.60. Some fed Colorados at \$4.30. Plain to medium dressed beef stock from \$3.50@\$3.75. Some meat fed fancy heifers sold to Swift & Co. at \$3.40. Good Western fed steers, \$3.50. Range cattle steers selling from \$2.90@\$3.85, and cows, \$2.00, as high as \$2.60. Texas steers prime, sold \$3.30; some fair run at \$2.65; cows from \$2.00@\$2.40. Feeders were scarce, and native stock quickly changed hands. For some fancy 1,225 lb average, as high as \$4.15 was paid—the highest price in several months. Owing to scarcity the price advanced some 15 to 25c., and a good many orders could not be filled—still 526 cars went to the feeding pens—corresponding week, 1895, gave 471 cars. Only 70 cars of cattle went to New York and Boston last week for export, against 115 cars one year ago. Last week the purchasers of cattle on this market were: Eastman, 711 head; Morris, 57; Swift, 319; Schwarzchild, 89; Hall, 118; St. Joseph Packing and Transportation Co., 346 head; Hammond, for slaughter, at Hammond, 386, and Cudahys, Omaha, 1,472 head. The receipt of calves for October, 12,292, about 2,500 head more than corresponding month, 1895. The highest price paid in October for beef steers, \$4.82½, against \$5.10 in 1895; highest for feeders, \$4.15, against \$4.20 in 1895; highest for Indian or Texas steers, \$4.00, against \$4.35 in 1895. We are slowly creeping up the way.

Receipts of hogs Kansas City for past week.... 44,898

Receipts corresponding week, 1895..... 46,781

 " " 1894..... 49,178

 " " 1893..... 23,522

Receipts of hogs Chicago, Omaha, St. Louis and Kansas City for past week..... 269,300

Same cities corresponding week 1895..... 305,500

 " " 1894..... 271,500

 " " 1893..... 178,400

 " " 1892..... 229,500

 " " 1891..... 332,000

 " " 1890..... 355,000

 " " for October, 1896..... 1,232,145

 " " 1895..... 1,306,000

 " " 1894..... 1,028,000

 " " 1893..... 784,000

 " " 1892..... 942,000

 " " 1891..... 1,151,000

 " " 1890..... 1,284,000

Receipt of hogs in Kansas City, last 10 months 2,104,594

 " " corresp. 1C months 1895 1,936,831

 " " 10 "..... 1894 2,055,778

 " " 10 "..... 1893 1,664,757

 " " 10 "..... 1892 1,992,779

 " " 10 "..... 1891 1,988,544

 " " 10 "..... 1890 2,316,792

The highest price paid for tops during October, 1896, was \$3.52½, against \$4.20 in October, 1895. The highest price paid for bulk during past October, \$3.45, against \$4.15 in 1895. The prices paid in October, 1896, being the lowest October prices in seventeen years. In October, 1882, the price paid over double that paid in October, 1896.

The average weight of hogs for October, 229 lb, against 220 lb of October, 1895.

There was quite a sprinkling of Southern hogs last week, the common, light run of such selling for \$3.05. On the whole, the quality of the hogs is good. Very little outside purchasing during last week—in fact, never so few outside purchasers. One car of hogs to Buffalo, the only Eastern shipment, with ten cars of prime heavy hogs shipped by Morris, Bull & Co., to City of Mexico. Very little change in prices during past week. Monday gave lights \$3.20@\$3.35; mixed packing to prime medium, \$3.20@\$3.30; heavy hogs, \$3.20@\$3.30, the top lot being \$3.45, with bulk, \$3.25@\$3.30. The tops went down to \$3.30; bulk, \$3.15@\$3.25; heavy hogs to \$3.15@\$3.25, but finally closed lights, \$3.25@\$3.35; heavy, \$3.17½@\$3.22½; mixed packing to prime medium, \$3.20@\$3.30. Tops, \$3.37½; bulk, \$3.20@\$3.25. Armours purchased a bunch of hogs

averaging 429 lb, at \$3.20. The papers now claim that the cholera arises from giving the new corn to the hogs without caution or care, in changing the feed, from hard to green food. There are no new outbreaks from any quarter other than heretofore reported. The State Auditor of Nebraska gives:

Number of hogs in State, 1895.....	1,060,525
" " 1896.....	1,269,425

The Assessor's returns in Iowa gives:

Number of hogs in State in 1895.....	2,855,708
" " 1895.....	2,895,316

The decrease is a little less than 40,000; however, if they put 5 lb more meat to the hog they can make up the loss. This is the way in which the Government figures the profit to the farmer on the last little advance: Estimated crop of United States, 2,187,733,122 bushels; advance, 2c. per bushel, \$43,754,664; the gross amount to the credit of Iowa being the snug little sum of \$6,434,391. With such a profit, is it any wonder the farmers say in Missouri, can find heart to go a little higher in price for fancy breeds of hogs, and a gentleman of Missouri can sell five pigs for \$2,025, besides 80 head to average \$53.30 per head. It would seem that some farmers can get along pretty well in the world.

Receipts of sheep in Kansas City past week... 17,696

 " " corresponding week 1895..... 21,063

 " " 1894..... 26,055

 " " 1893..... 15,796

Receipts in Chicago, St. Louis, Omaha and Kansas City for past week..... 126,800

Receipts same cities corresponding week 1895..... 112,800

 " " 1894..... 110,600

 " " 1893..... 92,800

 " " 1892..... 56,600

 " " 1891..... 46,400

Same Cities for October, 1896..... 546,165

 " " 1895..... 560,000

 " " 1894..... 523,000

 " " 1893..... 435,000

 " " 1892..... 480,000

 " " 1891..... 298,000

 " " 1890..... 309,000

More natives coming to market, and such found ready sale. Native lambs selling \$4.25; native muttons, \$3.00; Utah lambs, selling at \$3.50; weathers at \$2.75. A string of Colorado stock lambs at \$2.70; some New Mexican feeders at \$2.65; some Arizona selling from \$2.40@\$2.75. The highest price paid in October for lambs, \$4.25; for sheep, \$3.25.

Nebraska gives number of sheep in 1895..... 115,599

 " " 1896..... 177,758

Iowa " " " " 1895..... 345,067

 " " 1896..... 318,494

Showing a decrease of 26,000 sheep, and, strange to say, from the most important and well-farmed province of Canada, Ontario, comes the same story, in 1895 some 2,022,735 sheep, while in 1896 only 1,849,348 head.

Some fine day the farmers will find out that it pays just as well to raise good mutton for the market as for any other flesh—good sheep need never go begging for a purchaser.

The past week has been a very busy one with the Kansas City packers—one firm alone cannot have shipped out short of 36,000 for the week. Another very busy, but did not come quite up to that mark. Is it, therefore, a wonder that prices are very stiff? and branded cows sold one week ago at 7c. cannot be purchased to-day at less than 7½c.—in fact, report has it that one of the largest packers turned down a bid of 7½c. a few hours ago. Native steers are now in the saddle for 9½c., and Texas 8½c. Native cows have gone to a premium—and are very, very scarce. The run of Texas steers and cows also short this year; and in six weeks this stream of cattle will be dried up. Native steers very scarce, and it is more than questionable if they see a lower than present value before the snows of the new year commence to fall. Now, that uncertainty is over, and one may fairly size up the near future, a good steady business in every article of commerce is to be expected. Neither hides or leather in very large supply and not a pound of either that will not be wanted for use during the coming winter. Though tanners may think hides too high, and will be very cautious, still they will keep moving their vats, and buy with care, but still keep on buying. Packers having learned by the past will make "concessions" before they will carry too much of a good thing—he even hides. There may be a little trouble in getting rid of late October branded hides, as November carries the privilege of Grubbs, but all packers agree that the Texas hides are less grubby this year than ever before. To be sure, native stock is still in prime condition, free of grubs, and owing to scarcity will be a popular "brand" and very easy to dispose of. It would seem as if the packers' hide salesman will have a very easy time ahead of him, until the "long-haired, grubby season" comes, and then hides not being over abundant there should be no stony way for him to travel for some time to come.

Weir & Craig Manufacturing Co.

2425-2439 WALLACE ST.
CHICAGO, ILL.

MANUFACTURERS AND
DESIGNERS OF

Special Machinery

FOR

PACKING HOUSES,
Oleo Oil and Butterine Factories, Lard Refineries
and Fertilizer Works.

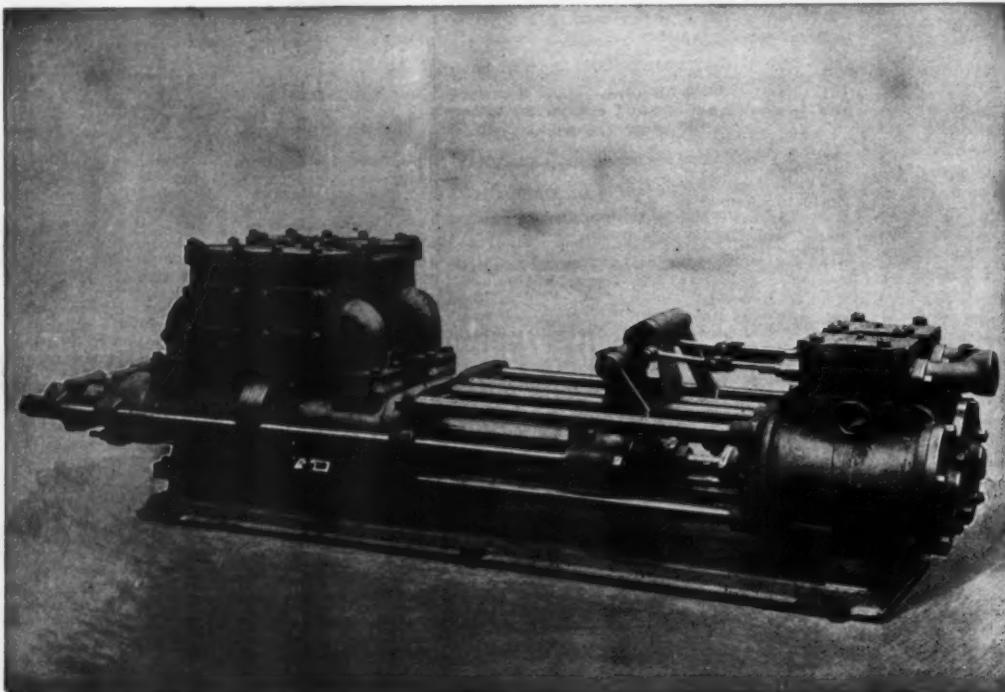
COMPLETE OUTFITS

For Meat Canning, and Beef Extract Factories.

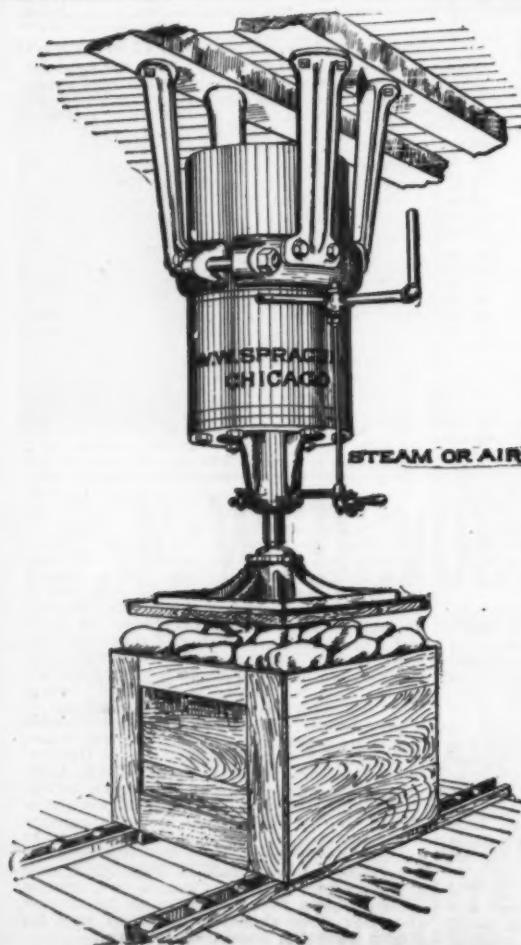
Friction Elevators, Hoists,
Droppers, Switches, Railing,
Filters, Oleo Oil and Lard
Presses. All kinds of Lard
Coolers, Evaporators, Flash-
ers for Pork or Beef Fats.

Conveyors, Shafting, Hang-
ers and Pulleys. Steam and
Power Pumps. Vacuum, Air
and Artesian Well Pumps.
Shackles, Branders, Fat and
Bone Washers, Bone and
Horn Saws, etc., etc.

Improved Hog Scraper,
Capacity 700 Hogs per Hour.



These pumps are adopted for Mine, Hydraulic Cranes and Hydraulic Elevators, and where it is necessary to work against heavy pressure and where the water is gritty. The stuffing boxes are all on the outside and easy accessible. They are mounted on an iron frame and require no extra foundation.



BOX PRESS

CYLINDER SUSPENDED FROM THE CEILING BY ADJUSTABLE RING. THIS GIVES ADJUSTMENT FOR LARGE AND SMALL BOXES. PISTON HAS AMPLE STROKE WHICH WITH THE ADJUSTING RING MAKES IT VERY CONVENIENT OF OPERATION AND ECONOMICAL IN THE USE OF STEAM OR AIR.

SIMPLE TO OPERATE.

RECOMMENDED AND USED BY

ARMOUR & CO., Chicago and Kansas City.

SWIFT & CO., Chicago.

THOMAS J. LIPTON COMPANY, Chicago.

The W. W. SPRAGUE CO.
CHICAGO, ILL.

HAND-BOOK AND DIRECTORY FOR PORK AND BEEF PACKERS.

The Latest and Most Improved Methods of Successful Packers, Farmers and Superintendents.

Pork Packing and Curing from A to Z in all the Departments of the Packing-House.—A Book for Life.

Live Hogs.

Which is the Most Profitable and Satisfactory to the Packer?—A few Hints Regarding the Handling of Hogs in Hot Weather.—Unloading and Weighing; Hints to Buyers.—Dockages—Inspection.—Figures for the Country Packer.—To Avoid Four Meats—Cost of Handling Hogs in Yards—Feeding.—Hog Killing.

Driving to Pens.—The Shucker.—Necessity of a Foreman.—Stripping Sausage Guts.—How to Avoid Destroying Them.—Scarring Guts.—To Avoid Destroying Large Guts.—Expense of Killing.—Men Required for Killing Gang.—The Work of Each Man on the Killing Gang.—Avoid Shoulder Sticking.—Temperature of Water in Scalding Tub.—Hog Scrapers.—The Scientific Portion of Hog Slaughtering.—The Expert Gutter.—The Shaver.—The Gut Bench—Casings and Guts.—“Dark” and “Off” Color Lard Due to Careless Washing of Guts.—Do not Let Your Fat Go Into the Sewer.—Hog Stomachs—Leaf Lard.—Tongues—How to Treat Them—Temperature—Dry Shaving—Proper Handling, and After Effects of Poor Handling.—Shrinkage from Live to Dressed Weights.—Hair, Bristles, etc.—Carelessness of Killing Gang.—How to Avoid Losses.—When Water Should Be Used.

Pepsin Manufacture.

What Is Pepin.—Method of Preparation—Straining and Filtering of Liquid.—Crude Pepin.—Purified Pepin.—General Treatment and Drying Process.

The Chill Room.

When to Put In.—Temperature of Room and Hogs—Reduction of Temperature.—Lowest Temperature Permissible.—How Long to Hang Therein.—Watching the Temperatures.—Proper Insulation of Chillrooms.—Artificial Refrigeration Prevents Sour Meats.—Where to Place Brine Tanks.—How to Run the Pipes.—Necessity of Reliable Men in Taking Temperatures.—Closest Attention Necessary.—Necessity of Competent Men.—Advantages of Thorough Mechanics.—Who Should Attend to Insulation.

Cutting of Hogs.

When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper—Instruments in Use.—Side Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Coat of Cutting.—Domestic Cuts—Export Cuts.—Loins.—Wrapping—Cold Storage—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs—Backbones, Neckbones, Hocks; What to do With Them.—Short-rib Middle (Illustrated); How to Cut—English Short-rib Middle (Illustrated and explained).—Long Clear Middle (Illustrated and explained).—Extra Long Clear Middles (Illustrated and explained).—Long-rib Middles (Illustrated and explained).—Cumberland Middles (Illustrated and explained).—Yorkshire Middles (Illustrated and explained).—Staffordshire Middles (Illustrated and explained).—Dublin Middles.—Stretford Middles.—Birmingham Middles (Illustrated and explained).—Short, Clear Sides (Illustrated and explained).—Extra Short, Clear Sides (Illustrated and explained).—Wiltshire Sides (Illustrated and explained).—South Staffordshire Sides (Illustrated and explained).—Clear Belly (Illustrated and explained).—Bib Belly (Illustrated and explained).—Welsh Sides—Irish-cut Sides—South Staffordshire Sides—Clear Bellies, English.—Bib Bellies.—Pickled Clear Bellies.—Short Clear Backs, English (Illustrated).—Short Fat Backs (Illustrated).—Long Fat Backs (Illustrated).—Pickled Clear Backs—Short-cut Hams (Illustrated).—Long-cut Hams (Illustrated).—Stafford Hams (Illustrated).—South Stafford Hams—Manchester Hams.—Skinned Hams—California Hams (Illustrated).—Rolled Hams, Bone

less (Illustrated).—Boston Shoulders (Illustrated).—Square Shoulders—New York Shoulders (Illustrated).—Regular Shoulders (Illustrated).—Skinned Shoulders.—Rolled Shoulders, Boneless (Illustrated).—Mess Pork (Illustrated).—Prime Mess Pork (Illustrated).—Extra Prime Pork—Clear Pork (Illustrated).—Extra Clear Pork.—Clear Back Pork.—Shoulder Butts, Lean.—Pork Loins—Cumberland Loins—Short Ribs.

Fresh Meats.

Tenderloins—Trimmings.—Spare-ribs.—The Advantages of Spreading.—What Receptacles to Use to Give Meat a Good Appearance.—What Pieces Must not Be Gotten for Counter Trade.—The Handling of Spare-ribs, also Fresh and Smoked.—Most Market Sales.

Hog Tests and Relative Values.

The Value of Tests.—What Percentage to Figure on Live Weight.—What to Figure for Cost of Manufacture.—Shrinkage When Determining Cured Yields.—Conclusion About Cutting of Hogs.

TABLE SHOWING AVERAGE WEIGHTS OF CUTS, MEATS, AND LAID YIELDED BY LIVE HOGS OF 110 TO 450 LB. (THIS TABLE ALONE IS WORTH THE PRICE OF THE BOOK TO EVERY PACKER.)

Packing and Shipping Meats.

Sizes of Boxes.—How to Pack—Eight Sizes.—Weights They Will Contain.—Material Used—Care to Take on the Journey.—How to Store on Board Ship.—Damage Due to Exposure.—Advantages of Having Men at Seaboard—Cost of Packing Meats—Average Amount of Salt Used—How Much Borax to Use—When to Pack in Borax, and Why—Allowances for Shrink-Cover or Cost of Borax—Weighing Dry-Salt Meats for Export—How to Handle Borax Meats and Dry-Salt Meats—What Methods are Used to Keep Dry-Salt Meats Dry—Advantage of Tight Boxes—Points for Exporters How to Ascertain Cost and Profit—Many Other Points of Value.

Points for Shippers of Provisions to England.

Regulations Adopted by the London Provision Trade.—American and Canadian Bacon Landed.—Pork and Heads in Barrels and Cases.—Meat Pork in Barrels of 200 pounds—Beef in Tiers of 300 pounds.—Allowances and Terms.

LARD.—Bidders—American Tiers.—Other Packages—Canned (tinned) Meats.—Rules and Regulations of London Chamber of Commerce.—General Rules for Exporters.—Terms—Invoices.—Weights—Agents.

Domestic Packing and Shipping.

How to Pack and Ship: Domestic Meats—Sweet Pickled Meats—Green Meats—Pumping Hams pro contra.—Lard—Fresh Meats, Sausages—Fertilizer.

Tables of No. 1 BOX AVERAGES Export Meats, No. 2—Tiers Average at 300 lb., No. 3—Table of Convertible Values for Provision Exports to Great Britain.

Curing.

Elimination of Animal Heat—Demand for Mild Cured Meats—Temperature—How to Handle a Ham Pump—Strength of Pickle—Spread the Meats—How Long—What Temperature—SOME GOOD RECIPES FOR CURING.—How Much Saltpeter, etc., to Use—Sugar Curing—Different Formulas and Temperatures.—To Avoid “Ropey Pickle.”—How to Get Rid of It—Rolling—Re-piling—Time for Curing of Different Pieces of Different Weights—When to Draw the Pickle—Gain in Curing—Handling of Tiers After Drawing Pickle—How to Pile Tiers—Look Out for Leaks—CURE FOR TONGUES PACKED IN BARRELS AT 220 POUNDS—Formulas—Another Formula—Temperature—Another Pickle—A Fourth Formula—Change of Pickle: When Necessary—Tongues for Export—Curing of Hocks and Feet—The Required Pickle—Another Method—Temperature—Vinegar Pickle—CURSE FOR BELLIES IN

TIERCES.—Formula—Bellies in Tubs—Another Formula (also good for California Hams, New York Shoulders, etc.).—First-class Cure for Light Bellies for Breakfast Bacon, No. 1—How to Handle Meats Under this Formula—Time Necessary for Curing—Pickle Tests—Pickle Tanks—How Low Pickle May Be Drawn from Tanks—Look Out for Rats—Tiers—What Weight of Different Cuts to Pack Into Them—Barrels—Half-Barrels—Kegs—Gain of Weight in Pickle—Loss of Strength in Pickle—Do not Use Old, Weak Pickle—Avoid Pickle-Soaked Meats—How to Keep Brine Alive—Roll All Pickled Meats Well—Maintaining of Temperature—“Dry” Method of Curing TIERCES—WESTPHALIA HAMS—Formula and manner of making them fully explained.

American Dry Salt Meats.

Heavy Side Meats—How to Handle—How to Salt and Resalt—Bulkling of Meats and Rebukling—Backs—Shoulders—Bulk all Meats Close—Time Necessary for Curing—How to Figure and Determine Difference of Treatment Prior to Smoking, Between Dry-Salted Meats and Sweet Pickled Meats—Light, Clear Sides, Extra Clear Sides; How to Put Up—Advantages in Bulking as Clear—A Turn Through the Cellars of the Country—What it Discloses—A Saving to Packers—Great Possibilities—Meats for Export—Handling—Use of Saltpeter and Nitrate of Soda—Difference Between the Use of Saltpeter and Salt—Acquaintment of Color—How to Sprinkle Saltpeter on Meats—How to Add Salt—Use of the Pocket Stick—Bulking and Rebukling—How to Pack Export Meats in Cellar—How to Ship Export Salt Meats in Winter—How in Summer—How to Handle Meats When Packed in Borax—How to Obtain Color on Long-Cut Hams—The Necessity of Tight Boxes and Close Packing—Shipping of Backs and Bellies.

Smoke Department.

Various Theories in Reference to Best Method of Smoking Refuted—Cold Smoking—Quick Smoking—What is Necessary in Order to Make Meats White and Will Stand Handling—How to Fill the Smokehouse—What Precautions to Take—What Kind of Fire—How Long—Let Your House Cool Off—What Wood to Use—About the Use of Sawdust—What to Use to Give the Meat Better Appearance, and to Prevent Flies from Touching It—Washed Meats—Temperature of Water—What to Mix With It—What the Stringer Has to Do—Usages in the British Islands—Meat-Washing Machines—Appetizing Meats in Bacon Shops in England—To Make them Look So—Room for Improvement in the Handling of Smoked Meats—Improved Methods Compared to Former Days—Smoking in Summer—Do not Handle Meats Any More than Necessary—Do not Pile Smoked Meats—Why—Several Good Points—About Handling Before Canvassing—The Use of Borax Before Papering—Advantages of Parchment Paper Over Star Paper—Canaries and Yellow Wash—How to Yellow Wash 2,500 Hams—What to Use—Protection of Smoke-House Doors and Windows—PICKLE CURLED MEATS—How Long to Soak in Winter—in Summer—Fully Detailed.

DRY-SALT CURLED MEATS—How Long to Soak in Winter—in Summer—Fully Detailed—Shorter Time with Running Water—Putting Meats in Soak Vats—How Full the Vats Ought to Be—Advantages of Creating a Current—Most Economical Arrangement for Soaking Meats—Detailed and Explained.

Sausage Department.

Advantages of Such Department in a Packing House—Cleanliness—A Number of Sausage Recipes—Fully Explained—Pork Sausage—Bologna—Liver Sausage—Headcheese—Tongue Sausage—Summer

Sausage—Beef Sausage—German Bologna Sausage—Ham, Chicken and Tongue Sausage—Oxford Sausage—Frankfort Sausage—Roast-wurst.

Tank Department.

Importance of this Department—Description of Tanks and Capacity—Size of Manholes—Location of Same and Water Pipes and Lard Cocka—How to Set Up a Tank—To Avoid Loss of Life and Property—Operation of Tanks—How to Fill, and When—What to Do When Tank Gets “Flushed”—Cooking—How Long to Cook—How Much Time to Settle—The Use of Salt to Tank—Drawing to Cooler—Pumping Through Filter Press of Separator—Necessity for Quicker Cooling—Difference in Temperatures Between Lard Drawn to Tins—How to Facilitate the Draining of Tank Water—Cleaning of Coolers—Vats and Catch Basins—Making of “Stick”—Pressing Refuse from Tank Water—Saving Lard from Tank Water—What to Do With Residue—Tight and Open Jacket Kettles—How to Operate Each of Them—How Long to Cook, and Under Which Pressure—The Use of the Hasher and Agitator—Neutral Lard—How and Where it Is Made.

PRIME STEAM LARD—What It Should Be Made of, and How Rendered—“Killing” and “Cutting” Lard—How to Mix—Wash Your Gut Lard—Which Agent to Use in Bleaching and Purifying Rejected Lard—In Which Proportion—How to Re-cook Same—Another Method—Another Recipe—Kettle-Rendered Leaf Lard—Neutral Lard—Kettle-Rendered Lard—How to Make It—Stearine Tests—Yield of Lard Pressed for Oil—Refined or Compound Lard—What It is Composed Of—Method of Manufacture—White Grease—Brown and Yellow Grease—Pig’s Feet—Their Utilization as White Grease, If Not Used for Glue Stock—Where the Grease Can Be Used—THE MELTING POINT OF LARD—An Interesting Article on the Subject—The Melting Point no Indication of Purity—Methods of Determining It—Difference of Melting Points of the Different Parts of the Animal—Difference in Prime Steam Lard and Jacket Kettle Lard—Disadvantages of Trying to Get Too Much of a Yield—To Avoid Dark Colored Lard.

Gut and Casings Department.

Its Importance—What Is Paid by Dealers to Packers—Variation of Prices—Handling of No. 1 Guts—Percentage of Good Guts—Advantage of Handling Guts in the Packing House—Handling of Bung Guts—Salting, Drying, Packing—Points of Interest.

CASINGS—Soaking, Cleaning, Salting—Quantity of Salt Allowed—Yield per Hog—Calculating Profits for Casings Department, 4 Months’ Killing, 2 Examples—Advantages to the Packer.

Fertilizer Department.

Dried Blood—Concentrated Tankage or “Stick”—Percentage of Phosphate, Moisture and Ammonia—Sample Analysis of Dried Blood—Concentrated Tankage—No. 1 Ground Tankage—Raw Bone Meal—Ground Steam Bone—Value of Dried Blood as a Fertilizer per Unit and per Ton—Concentrated Tankage No. 2—Ground Tankage—How Manufactured, and What it Contains—Raw Bone Meal—Ground Steam Bone.

IN ADDITION to the above there are 7,000 NAMES of the following branches of the trade, wholesale trade, only:

Pork and Beef Packers—Wholesale Butchers and Slaughterers—Wholesale Dealers in Meats—Wholesale Provision Dealers—Lard Renderers and Refiners—Oleomargarine and Butterine Manufacturers—Tallow Renderers and Dealers—Provision Brokers and Commission Merchants—Cotton Seed Oil Manufacturers and Refiners—Sausage Manufacturers (Wholesale and Retail)—Fertilizer Manufacturers and Dealers—Soap and Candle Makers.

Any intelligent reader will see that this book is an absolute necessity to every progressive packing-house, and that each chapter in the book (which is written by experts), is fully worth the price of same, viz: \$10. It should not be missed in any packing-house, slaughter-house, rendering plant, sausage factory, soap or fertilizer works, cotton oil mill, or any other establishment connected with or allied to the great meat and provision industries of the United States and Canada—Send us your order.

The National Provisioner Publishing Co.,—Directory Department.
ROBERT GANZ & CO., Proprietors, 617-618 Manhattan Building, Chicago. 284-286 Pearl Street, New York.

The National Provisioner.

ROBERT GANZ

H. E. STURCKE, Ph. D.

DR. J. H. SENNER.

OFFICIAL CHEMISTS NEW YORK PRODUCE EXCHANGE.

CHEMICAL AND ENGINEERING

PACKING - HOUSE LABORATORY

OF THE

THE NATIONAL PROVISIONER

Of New York and Chicago,

FOR THE ANALYSIS, INVESTIGATION AND EXAMINATION OF ALL
PACKING-HOUSE PRODUCTS AND SUPPLIES.

We will investigate and analyse, as regards their adaptability and purity, as well as to general composition, the following Packing-House Products and Requisites:

Chemicals and Supplies.

BORACIC ACID.
Crystals.
Powdered.
SALICYLIC ACID.
GLYCERINE.
CHROME YELLOW.
CHROME ORANGE.
BARYTES.
ANHYDROUS AND AQUA AMMONIA.
ALCOHOL.
Gum.
Wine.
VINEGAR.
SODIUM SULPHITE AND OTHER SULPHITES.
ALUM AND ALUMINUM SALTS.
LIME.
PRESERVATIVES IN GENERAL.
SPICES.
Pepper.
Coriander, etc.
DEXTROSE.
STARCH.
Corn.
Potato.
Tapioca.
Water.
BOILER COMPOUNDS OR PURGES.
LUBRICATING OILS.
Greases.
Compounds in General.
AXLE GREASE.
BEET CEMENTS.
BEET GREASES.
COAL.
WASTE FUEL, GASES AND SMOKE.
SOLDERS.
LEAD.
TIN.
HABSBY METAL.
ANTI-FRICTION METALS.
SOLDERING FLUIDS.
SAUSAGE MAKERS' INGREDIENTS.
Bologna Color.
Bologna Anti-Shrinkage Compound.
Blood Color.
FULLER'S EARTH.
PEARL ASH.
SILICATE OF SODA.
SULPHITE OF SODA.
DEPILATORY.
SAL AMMONIAC.
PAINTS.
Roofing.
Wood Working.
Iron Work.
COLORS IN GENERAL.
MILK.
CREAM.
BUTTER.

WOOL SOUCERS AND CLEANERS.
"STICK" CURERS OR "STICK" MEDICINE.

SALT FOR HIDES.
Oleo Oil.
Curing, Drysalting and Pickle.
Butter and Oleomargarine.
Soapmaking.
Casings.
SUGAR.
Molasses.
Syrup.
SALTPETRE.
Powdered.
Lump.
Crystal.
BORAX.
Crystal.
Powdered.
CAUSTIC SODA.
SODA ASH.
SAL SODA.
BICARBONATE OF SODA.
SULPHATE OF SODA OR GLAUBER SALTS.

Products.

Beef and Mutton Fats.

BEEF, PRIME, EDIBLE TALLOW
For Water.
Hardness.
Titre.
Free acid impurities.
Uses.
Refining quality.
NON-EDIBLE TALLOW—For above tests
TALLOW OIL.
NEATSFOOT OIL.
BONE TALLOW.
NEATSFOOT STOCKS.
Wool GREASE.
General impurities.
Free acid.
Fleshaing grease.

Oleo and Mutton Stearines.

For lard and compounds. Water,
Hardness.
For Tanners. { Free acid.
Impurities.

Oleo Oil and Neutral Lard.

For Color, Flavor.
Odor, etc.
Hardness, Free Acid, Water.

Lard Products.
PRIME STEAM for Water, Impurities.

For Free acid.
Hardness.
Color.
Taste.
Odor.
Cotton oil.
Beef or other tallow.
Keeping quality.
Bleaching quality.

Kettle Lard.

For above tests.

Lard Stearine.

For above tests.
With cold test.

Lard Oil.

For above tests.
With cold test.

Lard Compounds.

For Cotton oil.
Tallow.
Water.
Hardness.
Keeping quality.
Climatic influence.
Color.
Taste.
Odor, etc.

Lard Substitutes.

Above tests.

Hog Grease.

Yellow and brown for Water.
For Hardness.
Free acid.
Probable oil.
Yield in pressing.
Bleaching quality.

Pickles and Brines.

Sausages.

Beef Extracts and Beef Fluids.

Pepsin, Pancreatin and Other

Rerments.

Glaes.
Pigfoot glue.
Bone glue.
Hide stock glue.
Clear glue.
Foaming glue.
Strong and weak glues.
Painted or colored glues.
Paper maker's glue.
Paper box glue.
Cabinet glue.

Butterines and Butter.

Creamery.

No. 1 Grade.

No. 2 Grade.

Butterine.

Cotton oil.

Cotton Oil.

CRUDE for Free acid.
Water.
Insoluble, or mealy matter.
Probable loss in refining,
and what suitable for.

YELLOW.

For Color, Flavor.
Cold test, etc.
Soapmaking.
Lard refining and cooking
compounds.
Miner's and brewer's lamp oil.

WHITE.

For Color, Flavor.
Cold test, etc.
Soapmaking.
Lard refining and cooking
compounds.
Miner's and brewer's lamp oil.
Salad oil.

"FOOTS" OR TANK BOTTOMS.

For Oil.
Mealy matter and water.

"FOOTS" OR SOAP STOCK.

For Water.
Total fatty acids.

Mealy matter.

Free oil or free soda.

COTTONSEED MEAL AND CAKE.

For Water.

Ammonia.

Oil.

Fertilizers.

Including
Steak bone.
Raw bone.
No. 1 or 9-20 tankage.
No. 2 or 7-30 tankage.
Green or pressed and undried
tankage.
Blood.
Tank water or "Stick."
Concentrated tankage.
Complete fertilizers.
Hoof meal.
Manure.

Wool.

For Shrinkage in scouring.
Water.
Dirt.
Grease.

For water, grease, fat,
acetic, formic, propionic,
butyric, palmitic, etc.

An official certificate will be given with every Analysis made.

Packers, Slaughterers, Tanners, Manufacturers of Oils and Fertilizers, Lard Oil Refiners, Soapmakers, Tallow-Renders, Sausage-Makers, and others should avail themselves of the facilities thus offered, which, as a rule, are accessible and available only to the largest establishments.

We shall be pleased to quote figures on every test or analysis on any of the above articles or several of them. We will make arrangements for regular weekly analysis of oils, fertilizers, lard or any other product.

Will also give particulars regarding size and weight of samples desired.

The National Provisioner Analytical Laboratory,
Official Chemists to the New York Produce Exchange,

284 to 286 Pearl Street, New York.

617 to 618 Manhattan Building, Chicago.

TECHNICAL. MANUFACTURE OF GLUE

The following articles on the above subject have appeared in "The National Provisioner" on the dates named:

APRIL 25, 1896	"Points on Glue Making."
" "	"About Liming of Glue Stock."
MAY 2,	"About Glue Stock."
" 9,	"Glues for Various Purposes."
" 16,	"Waste of Glue Material."
" 23,	"Points About the Water for Glue Factories."
" 30,	"About Nettings for Drying Glues."
JUNE 6,	"About Coloring Glue."
" 13,	"Clarifying Glues."
" 20,	"Glue in Coolers."
" 27,	"About Drying of Glue."
JULY 4,	"About Bone Glue."
" 11,	"About Raw Material for Making Gelatine."
" 18,	"The Leaching of Hard Bones and Horn Piths."
" 25,	"How to Economize Acid for the Manufacture of Gelatine."
AUG. 1,	"Cooking of Gelatine."
" 8,	"Utilization of By-Products from the Manufacture of Gelatine."
" 22,	"The Temperature for Cooking Glue."
" 29,	"About Isinglass."
Sept. 12,	"The Bleaching of Glue."
" 19,	"Preservatives for Glue."
" 26,	"About the Foaming of Glue."
OCT. 3,	"How to Make Sweet Glues."
" 10,	"About New Glue Tests."
" 17,	"Recent Improvements and Inventions in the Manufacture of Glue."
" 31,	"About the Cracking of Glued Joints."

ABOUT THE CUTTING OF GLUE.

When the glue has acquired the desired consistency, the jelly is taken out to be cut into shreds. This is done in different ways, either by wire or by knife machines.

The wire machines consist of steel frames with steel wires, the latter set so much apart as to agree with the desired thickness of the glue shreds. There are principally two different kinds of wire machines: First, the old style, where the wire frame is moving, cutting the chunks of glue jelly, while the latter rests in a metallic box, thus assuring a perfect cut, while the chunks are held fast and prevented from slipping away from the wire. Second, the new style, where several frames are placed at a distance of from 1 to 2 feet, but each frame having only one steel wire, which wire is set in each successive steel frame so much lower than in the previous frame as the desired thickness of the shreds calls for. The whole jelly chunk is placed on an endless belt, which forwards it to be cut by the various wires. In this way there is always but one wire cutting at one time, the stress on the wire is, therefore, a very small one and the wires do not break easily and last a very long time. In the old style of wire machines the wires break quite frequently, and an extra set of frames must, therefore, be kept in readiness to prevent loss of time.

The knife machine consists of steel knives in form of blades in frames (old style) or in form of circular knives set on a shaft (new style). The old style knife machine resembles very much the old style wire machine, as the knives are moving, cutting the jelly in uniform sheets. Tops and bottoms from the cuttings of the jelly must be remelted. The new style of knife machines require the tops and bottoms of the jelly chunks to be scraped off.

Wire machines cut successfully light evaporated glues up to 10° B. Good testing hide glues cannot be cut by wire machines of more than 7° B. Low grade bone glues and last runs of hide stock, when evaporated to a heavier consistency, are generally cut with knife machines either in sheets to be put up in packages (packed glues), or in thin sheets to be

crushed. In Europe where most of the glues are put on the market in nice sheets, the glue liquor is frequently poured out on glass plates in the required thickness and are then chilled and dried. Such glues have a smooth surface on both sides of the sheet.

We have had occasion before to speak of the machine which Mr. Hewitt is using, a machine which chills, sets and cuts the jelly in one operation and consists of revolving cylinders dipping into the warm glue liquors. To these rollers a certain quantity of glue adheres; it is chilled during the revolution as the cylinders are cooled with cold water or brine. According to the strength of the liquor and the speed of the roller, the glue can be obtained in a thinner or thicker sheet, which by a scraper is removed from the roller and carried on an endless belt to the cutting machine and the dryer.

All the cutting machines have the same disadvantage, namely, to give the cut a rough surface from adhering pieces of glue, which get smeared over the surface of the shred. Glues poured on glass plates or made by Mr. Hewitt's process have a smooth surface on both sides.

To inventors we will suggest the following idea: Have the glue cut with a wire machine and have an electric current running through the cutting wire which current should be strong enough to heat the wire sufficiently to assist in cutting the glue. The wire should be just warm enough to cause the jelly in immediate contact with the wire to melt. This would give a smooth surface to the glue and also enable to cut even very heavily evaporated glues. One machine would probably do the entire work in a glue factory and do the work of several machines of the old style. Interested parties could learn more from us regarding such a machine.

dients and quantities: Take, say, 400 lb of lard or cocoanut oil, and an equal weight of good fresh beef tallow. Place the whole in a jacketed pan, or a pan with fire heat. Heat to 150° F., at which point add 400 pounds of strong lye, say, 64° T. This lye being cold will reduce the temperature to, say, about 120° F., at which temperature the whole will be quite close and smooth. Care must be taken to add the lye very gradually—a skimmer at a time—the fats being kept well stirred. The heat is now gradually raised to 200° F., and is then ready for the frames. This gives a soap containing a very high percentage of fatty matter at a comparatively moderate price. During the operation there will naturally be some evaporation from the heat, because, although water is not supposed to evaporate till it reaches 212° F., it is, nevertheless, a fact that in heating water, or anything containing water, up to 200° F., there is always a loss. This loss by evaporation must be made up by the addition of a little water. Indeed, sufficient water ought to be added to bring the soap down to 63° fatty matter, which is always looked upon as the standard of pure soap. With the proportions given above the percentage of fatty matter would be 66.6, with a turn-out of 3,600 lb. An additional $\frac{1}{2}$ cwt. of water would reduce the percentage of fatty matter to 63.0, and would, at the same time, reduce the cost by about 1s. 3d. per cwt., making the cost 14s. per cwt., instead of 15s. 3d. The water must be added just before casting. It is necessary, in this case, to bring up the heat as we have described, so as to get perfect saponification of the tallow. With pure cocoanut oil it would not have been necessary to bring it above 70 to 80° F., for at that temperature cocoanut and palm kernel oil saponify readily, even when partly mixed with cottonseed oil or its stearine.

(To be continued.)

The Empire State Express of the New York Central is the fastest and most famous train in the world***

Welch, Holme & Clark Co.

383 WEST STREET,

NEW YORK.

Importers of
Superior Quality
Green Olive Oil Fats

THE OLD STORY.



Common Pail with hoops off. Cable Pail with hoops that can't come off.

WOODEN-WARE THAT CANNOT FALL TO PIECES.

LARD PAILS and TUBS ALL SIZES.

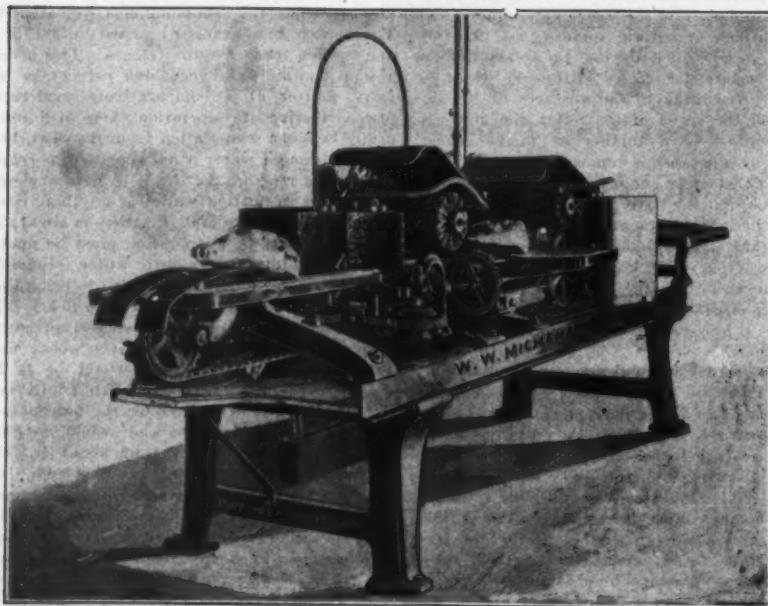
Cable and Common Hoop, Plain and Hinge Covers.

MANN BROS. 6 WABASH AVE. CHICAGO, ILL.

Received Highest Award at World's Fair, Chicago, 1893.

**INDISPENSABLE TO EVERY
PACKING HOUSE.**

A GREAT LABOR SAVER!



CORRESPONDENCE SOLICITED.

W. W. MICHENER,

W. W. MICHENER'S

**Patent Automatic
Meat Washer.**

CAPACITY ONE CAR LOAD (1,500 pcs.) PER HOUR.
REQUIRES BUT TWO MEN TO RUN IT.

WILL WASH WITHOUT ADJUSTMENT:

HAMS, BELLIES, SHOULDERS,
CALIFORNIA HAMS,
BEEF HAMS, TONGUES.

ADVANTAGES:

THOROUGHNESS, SPEED,
EVEN TEMPERATURE OF WATER,
SIMPLICITY, DURABILITY,
GENERAL ECONOMY.

This machine is built for service, will cleanse thoroughly any size of the several cuts of meat mentioned above **WITHOUT ADJUSTMENT**, and will prove invaluable to Packers and Smokers of Meats.

Machine can be seen in operation at:

SWIFT & CO., Chicago, Ill.

J. H. MICHENER & CO., Philadelphia, Pa.

MICHENER BROS. & CO., Chicago, Ill.

**UNION STOCK YARDS,
CHICAGO, ILL.**



**THE BEST AND SIMPLEST APPARATUS
FOR**

DRYING SCRAP.

ADDRESS, FOR FURTHER DETAILS,

The Empire Laundry Machinery Co.
SODEN ST., CAMBRIDGEPORT, MASS.

**Pointers and Directions for Using Our
Extractors in Wholesale Packing
and Slaughter Houses.**

The word "scrap" means dry tankage, or refuse, and the process given is to prepare it for a fertilizer for the market.

1. What amount of raw material will the Extractor take at one time? Answer.—Three-quarter barrel of scrap, or tankage, which weighs from 250 to 300 lb per load.

2. What percentage of moisture remains after it has been acted upon? Answer.—About 12 per cent. of water.

3. What amount of grease is left in the stuff? Answer.—None, or less than 1 per cent., and if thoroughly washed with warm water, none whatever.

4. How long does it require? Answer.—Fifteen to twenty minutes.

5. What power to drive the Extractor? Answer.—From three to four horse-power to start it. When it is at its momentum it releases itself.

6. Will it dry the material; that is, the scrap or tankage? Answer.—No. But it will lessen the time of drying in Steam Cylinder Dryer. And as we have stated in question No. 3, if thoroughly washed, it can be done in less than twenty minutes. No Press is necessary when using the Extractor.

How is the grease saved? Answer.—Run the water and grease into a wooden tank below, and skim off the grease as it settles on top of the water.

8. How is the Extractor operated? Answer.—Fill it with scrap. Then turn on hot water from pipe above and stir until thoroughly mixed, then cover and start the machine, running fifteen minutes. If necessary stop the machine and add a second supply of hot water, until the operator is convinced that all the grease is thoroughly washed out of the scrap. Remove the scrap to the Cylinder Steam Dryer. Keep it in the same until it is thoroughly dried and the particles will not cling to each other.

The secret of perfect success in preparing scrap, or tankage, for fertilizing purposes is, thorough washing with very hot water in the Extractor.

9. Cost of Extractor? Answer.—\$350.00 F. O. B., Boston, Mass.

TECHNICAL.

ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our subscribers or advertisers.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a nom de plume to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

TANKAGE, INDIANA.—Tankage may be prepared for the market by simply draining the tank liquor from the scrap, then drying the latter and eventually grinding it. This method is, however, very expensive. It requires a great deal more fuel and more dryer capacity to dry such scrap than if it had been previously pressed. Pressing the tankage has further the great advantage of separating the fat from the tankage. The fat thus obtained is only grease or No. 2 method, but the quantity is usually sufficient to pay for more than the labor and other expenses caused by pressing the tankage. None of the larger packers would think of drying the tankage without previously pressing it. It is true in some Eastern cities there are packers who do not press the tankage, though most of them are beginning to see the errors of their ways. By all means we advise you to press the tankage.

R. T., ST. LOUIS.—The principal use to which cottonseed foots are put is the manufacture of cheap soaps and soap powders. The disagreeable odor of the foots prevents their utilization for finer soaps, even if it was possible to bleach them sufficiently to satisfy the usual demands made on finer soaps in regard to color. For wool scouring, and other industrial purpose foot soaps are used successfully; it requires, however, considerable skill to make a satisfactory soap; it is much easier to melt them over and mix them with soda, water glass, sand, etc., and thus produce a dry powder for general cleaning purposes. Some of the best known of the washing powders contain a large amount of cottonseed foots.

O'M., OHIO.—Acidless tallow oil should contain less than $\frac{1}{2}$ percent. free fatty acid. The cold test is of little importance in this oil, but should usually be between 50 and 60°.

F. No. 1 tallow oil can have the same cold test and about 3 per cent. free fatty acid. No. 1 tallow is usually sold without any special guarantee; the tire may be 40 to 43°, the free fatty acid may run as high as 6 and even 8 per cent., though usually it will be found much lower than these figures. The color, flavor and odor has much to do in making a tallow a No. 1 or a No. 2. No. 2 tallow can have 15 to 20 per cent. free fatty acid, and the tire may be as low as 38°.

R. F., MINNESOTA.—While we have a number of thoroughly tested receipts for remedies of the ordinary ills which may seize your horses, we hesitate to publish them, as it is not only necessary to have good remedies but just as important to make the right diagnosis in each case, and thereafter to choose the right remedy.

S. McC., MICHIGAN.—The general tendency in Europe is not to recover the glycerine from the soap lyes, but rather to extract the glycerine from the fats before saponifying same. Of late years the magnesia saponification has found much favor. The principal advantage in the use of magnesia over that of lime is in the fact that the magnesia saponification requires only a pressure of about 100 lb, while the lime saponification is satisfactory only at a much higher pressure. We will have occasion to report more fully on this subject, which is undoubtedly of great importance to the soap manufacturer.

B. A. S., MONTANA.—The waste of calf and sheepskins gives the best glue; that from

horse hides is dark and of a poor quality. The technical articles which have been recently published in this journal fully cover the questions you propound, and as it would involve considerable time and space to answer them in detail, we refer you to same. We would, however, remind you that it is our purpose to publish a technical book on glue manufacture in the near future, and would be pleased to enter your name on our list of purchasers.

SOAP MAKER, ALBANY, N. Y.—Silicate of soda is sometimes mixed or "crutched" into the mass when undergoing treatment, but is usually when inferior soaps are being made, usually from recovered greases. But this should be accomplished not in the manner you speak of, but just before running into the frames.

GLUE, BOSTON.—In answer to your question, we would say that a good recipe for a waterproof glue is as follows: Ingredients—Ordinary glue, 4 parts; venice turpentine, 1 part. Preparation—Soak the glue in the least possible quantity of water to soften it completely, then melt this in the gluepot, and while hot stir in the venice turpentine and mix well. This glue is useful for woodwork exposed to damp and moisture, as it is not affected thereby.

Y. S., CHICAGO.—The rules of the New York Produce Exchange regulating the animal oil trade are as follows: Rule 5. Prime lard oil shall be bright and sweet, and shall have the flavor of good sound lard. Whiteness with lack of flavor, or any indication of rancidity shall not constitute prime or contract oil. All animal oils shall be sold by weight, at the rate of $7\frac{1}{2}$ lb net to the gallon. Rule 6. The winter test of lard oils of all grades shall be 43° F., or under. The spring or fall test of lard oils of all grades shall be 55° F., or under. The summer test of lard oils of all grades shall be 65° F., or under. Rule 7. All contract oil must be in good, sound, iron-bound barrels, holding not less than 42 or more than 50 gallons. In setting contracts without delivery the basis shall be 46 gallons per barrel.

I. L., MEMPHIS.—You say, "The possibilities of the cotton oil industry in the future are great," and that "many more mills will be erected during the next few years." Beyond question the possibilities of the industry are great, but at this time we would remind you the crushing capacity of the country is twice the quantity actually handled. In view of this fact, the question of building more mills, except in locations remote from those already in operation, should be carefully considered.

Your samples of cake for analysis duly reached us; result of our analysis will be forwarded you by mail.

R. S. T., KANSAS CITY.—The temperature at which the storage of tierce meats or other receptacles of meats, should be maintained, is from 36 to 40° F. If you allow the temperature to exceed 40° F., results will prove anything but satisfactory.

EXPORTER, N. Y.—Saltpetre should not be used as salt would be in curing for export. We have called attention to this matter in our Directory and Handbook of the Meat and Provision Trades, from which we extract the following: "A slight but uniform covering of saltpetre will have the desired effect, conditional upon the meats being bulked so as to exclude all the air possible."

KNUCKLE JOINT SCRAP PRESS.
THREE SIZES
BY
HAND OR POWER.

Doors swing open to remove crackling. Follower swings back to uncover hoop when putting in scrap.

Also FERTILIZER PRESSES.

SEND FOR CATALOGUE.

BOOMER & BOSCHERT PRESS CO.,
362 WEST WATER STREET,
SYRACUSE, N. Y.

THE MICHENER PATENT AUTOMATIC MEAT WASHER.

Attention is called to the W. W. Michener Patent Automatic Meat Washer, a cut of which is presented upon the opposite page.

This machine will wash thoroughly without further adjustment any size piece of meat of the following cuts, viz.: Hams, Bellies, Shoulders, California Hams, Beef Hams and Tongues.

The machine is constructed entirely of iron, with the exception of the table, and is 11 feet long by 4 feet wide. At given points are placed self-adjusting, rotating, cylindrical scrubbers, which are so arranged as to permit the passage of any size of the cuts mentioned above. Each part of the piece of meat is thereby thoroughly scrubbed once and once only.

Special attention has been given to design and construction, and the manufacturer has endeavored to present a machine both light and durable. Each part is properly numbered in case duplicates should be needed. The gears are all cut, giving a noiseless, smooth-running machine. On account of its compactness, it can be shipped ready for use; cold water and steam connections and chain belt attachments being all that is necessary for action.

With the aid of this machine and ten men, 1,886 pieces were washed and hung in the smoke house in 1 hour and 27 minutes.

With the aid of this machine and four men, 1,419 pieces were washed and hung in the smoke house in 3 hours and 15 minutes.

To illustrate the operation of washing hams. There are three endless chains which run over the table—the main chain, to which are attached the automatic hooks, runs the entire length of the machine, and two short chains, to which are attached the stops, which run half the length, with the result that having placed the piece of meat across the chains, at the same time attaching the shank to the automatic hook, the piece of meat is carried forward sideways, causing the butt to encounter the first vertical scrubber, thereby scrubbing the butt, thence onward under a horizontal scrubber, thereby scrubbing the lock of the ham. At this point the short endless chains pass through the table, but the main chain continuing causes the ham to change position, to "shank on," whence it passes over a stationary horizontal scrubber and under a horizontal scrubber, thus scrubbing the meat on back and face, thence on between two vertical scrubbers which scrub the flank and cushion. The meat is automatically discharged. All scrubbers are self-adjusting.

This machine can be seen in operation at any time at the houses of J. H. Michener & Co., Philadelphia, and Michener Bros. & Co. and Swift & Co., Chicago. The address of the maker of the machine is W. W. Michener, Union Stock Yards, Chicago, and he invites correspondence.***



**Wm. R. PERRIN
& CO.
CHICAGO.**



GET OUR PRICES.



**THE
UNION
SAUSAGE
STUFFER**

MADE IN TWO SIZES.
54-lb. Size, . . . \$65
35-lb. Size, . . . \$50

This Stuffer occupies less room than any other and is simple and rapid in operation.

Send for Descriptive Circular.

MANUFACTURED BY
**The UNION
Machine Works,**

413 Cherry Street, Philadelphia, Pa.
New York Agents:
S. OPPENHEIMER & CO., 96 PEARL STREET

TO SOAP MAKERS.
RENDERED KIDNEY
TALLOW FOR SALE.

JOSEPH LISTER, 1168-1160 Elston Ave., Chicago.

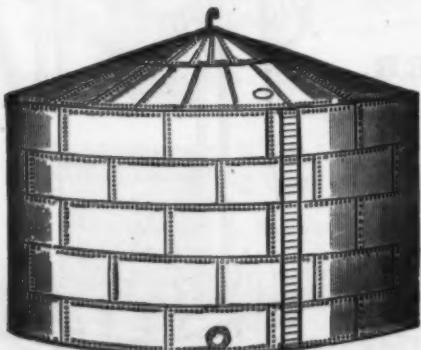
KLEY ENGINEERING CO.
231 West 42d Street, New York City.

EASTERN REPRESENTATIVE OF

V. D. ANDERSON CO., for Odorless Fertilizer Dryers,
STEDMAN FOUNDRY AND MACHINE WORKS for
Bone Crushers and Disintegrators.
WEIR & CRAIG MFG. CO., Packing-House Machinery.

Complete Outfits for Pork and Beef-Packing Houses, Oleo-Oil
and Butterine Factories, Lard Refineries, Fertilizer
Works, Meat Canning and Beef Extract Factories.

REFRIGERATING PLANTS INSTALLED.



Morse, Williams & Co.

MAKERS OF....
PASSENGER AND FREIGHT

ELEVATORS

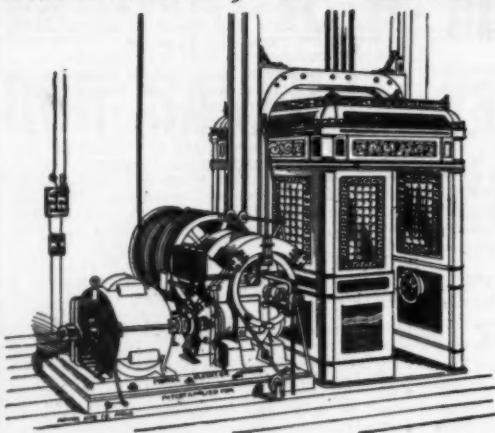
OF EVERY DESCRIPTION.

Works: Frankford Ave., Wildey
and Shackamaxon Sts.

PHILADELPHIA.

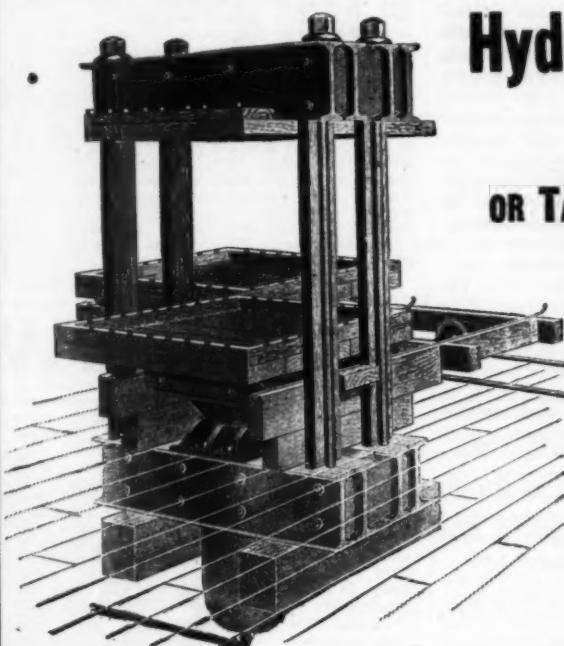
OFFICES,

108 Liberty Street, New York.
82 Church Street, New Haven.
19 Pearl Street, Boston.
4 East Lexington St., Baltimore.
413 Fourth Avenue, Pittsburg.
425 Spruce Street, Scranton.



**Hydraulic
Fertilizer
OR TANKAGE PRESS**

ALL SIZES.



**THE Hydraulic Press
Manufacturing Co.**

MT. GILEAD, OHIO.

EASTERN OFFICE:
6 HARRISON ST., NEW YORK.

WESTERN OFFICE:
11 W. RANDOLPH ST., CHICAGO.

**PACKING HOUSE
MACHINERY
OF ALL KINDS.**

WM. CRAVER TANK WORKS
MANUFACTURERS OF
IRON AND STEEL TANKS
A SPECIALTY.

1143 & 1145 Rookery Building,

CHICAGO, ILL.

Works, East Chicago, Ind.
On Belt Line connecting with all Chicago Railways.



RECENT PATENTS AND TRADE-MARKS.

570,851—Barrel-filling machine, patented Johnston E. L. Goodlet, of Memphis, Tenn. Filed, Nov. 30, 1894. The device consists of a tube, valve, valve-lever, trigger, float, rod, and trip lever, of a fixed graduated gauge bar, a pointer for the latter, and a clamp for holding it secured in any required adjustment.

570,561—Fertilizer and cottonseed meal manufacturers will be interested in knowing that an excellent device—a combination of bag holder and scale—has been patented by Andrew P. O'Brien, of Richmond, Va., filed May 6, 1895. The combination consists of a spout, brackets projecting upwardly above the spout and arms pivoted to the brackets a beveled shaped gate and handle for operating same. In conjunction with the foregoing the combination includes a scalebeam together with a hold for supporting the sack or bag.

570,006—Soap Holder. Otto B. Huebel, Brooklyn, N. Y. has secured letters patent on the invention of a receptacle or soap holder which comprises an ejector pivoted to the holder and reaching approximately across the bottom of the latter, while the ejector is supported in its normal position by the receptacle, and constructed to lift the entire cake of soap and storing it over the upper edge of said receptacle when the ejector is changed from its normal position. Bent wires constitute the bottom of the holder, while a strip connects the free ends of the wires, provided with hooks for overlapping the rim, together with means for rotating the sleeve.

SOLUBLE SOAP.

About a year ago the manufacture of a new soluble soap was introduced in Germany. Its merits are of a superior order and we here-with place before the trade the particulars of its manufacture. It is simply a compound product of sulphonated oil, alkali and alumina.

The soap, it is said, effects oiling and mortdanting in a single operation, thus saving much time and labor without any interference with the quality of the color. The bleached goods, thoroughly washed, are padded, or in any other convenient manner impregnated with the solution, well squeezed, and then repeatedly run through a solution of ammonium salt until they cease to smell of free ammonium. They are then well washed and ready for dyeing. Carbonate, phosphate or chloride are most suitable, or a mixture of these salts may be employed. To 50 litres of water 15 kilos of soap are required; the bath is kept on and made up from time to time. For printing purposes the soap solution is thickened with animal glue. Being strongly alkaline, this new soap may also serve otherwise in discharge or resist-processes.

NEARLY A THIRD OF A CENTURY OLD.

There are few, if any, older established butchers' supply houses in New York City than that of Jackson & Co., in Tenth avenue, near Forty-fourth street. When this firm first occupied that stand they were in the heart of the leading city slaughterers. Since that time there have been some changes in metropolitan business life. In two years the firm will have been in business for a third of a century. With fair dealing, courteous treatment, the firm has built up the business it enjoys to-day. They handle butchers' fixtures and market stalls of every description, and it would be well for butchers starting in business or wholesalers needing anything in their line to give them a call.***

When your soap gets rancid and when you want to apply the remedy, consult our analytical laboratory.

SWIFT & COMPANY GIVE A DINNER TO THEIR MANAGERS.

A very felicitous occasion was the dinner at the Hotel Imperial, New York City, given Tuesday evening last by Swift & Co. to their managers, of the metropolis and its suburbs. Covers were laid for thirty-two guests and the menu of the banquet was such as to gladden the heart of the most fastidious epicure. Sociability and good fellowship reigned supreme from the time the affair began at seven o'clock to the time it broke up at one o'clock. When the welcome news, over a special wire run into the Imperial, of McKinley's election and the triumph of sound money greeted their ears, the guests were happier than before, if such a thing were possible. Mr. W. H. Noyes read the election bulletins. After dinner speeches—and right good ones they were too—were made by Mr. T. A. Adams, W. H. Noyes, and other managers. Mr. Lally, a friend of Mr. D. J. Kerry, sang some appropriate selections, and Mr. Pearly Noyes, son of Mr. W. H. Noyes, gave some pleasing recitations. The occasion was further enlivened by the presence of a band. Among those present, besides Mr. Adams and Mr. Noyes already mentioned: Messrs. J. S. Bailey, of the Jersey City Packing Co.; T. D. Hill, of Philadelphia; Martin Rooney, of Wallabout Market, Brooklyn, manager of the New York and Brooklyn Dressed Meat & Wool Co., Ltd.; J. B. Hallett, of Bridgeport; W. F. Cleary, of New Rochelle; F. A. Flint, of Haverstraw, N. Y.; and L. F. Gardner of Orange, N. J. In addition to these gentlemen there were present the managers of Swift's different New York, Brooklyn and Jersey City houses, by name as follows: Messrs. Emil Stande, W. S. Coggeswell, George A. Howe, E. C. Howes, J. Johnson, C. H. Tredennick, F. L. Esmond, H. S. Peare, F. W. Matthews, F. J. Foss, R. G. Pyle, C. S. Hall, George A. Whipple, B. A. Howland, R. P. Cashion, A. M. Brown, Charles Brown, and James Donovan.

KANSAS CITY HORSE SHOW.

One of the special features of the recent Fancy Horse Show, held at Fairmont Park, Kansas City, was the competition in the classes for both single and double delivery wagons.

Swift & Co. captured both prizes with their magnificent outfits.

The prize for best heavy double delivery, everything to be considered, was a fancy stock scale, and was awarded to Swift's dapple gray team, Major and Captain, driven by Mat Corbett. These horses are six and seven years old respectively, 15.3 hands high, weighing 1,600 lb each. Not only are they excellent pullers, but are magnificent specimens of the draught horse, being highly finished and very stylish.

D. E. Smeltzer Produce Co.'s black team was awarded the red ribbon and Armour Packing Co.'s bay team the white ribbon.

The heavy single delivery class, a \$75 solid silver loving cup, handsomely engraved, was awarded to Swift's dapple gray gelding Bud, who, on account of his high style and good looks (and also winning the gold medal at last year's show), had scared out nearly all competitors, and had a comparatively easy time in defeating those that remained in the ring.

The wagons were brand new, Swift's regulation style, bright vermilion body and light yellow running gear. Harness new, and purchased specially for the occasion. The trimmings and housings were of brass.

Swift & Co. take great pride in their teams, and not only swept the board at the World's Fair, but are ready to compete at all fancy horse shows where genuine merit is to be the test.***

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON-OIL TRADE NOTES.

CORRESPONDENTS, SUBSCRIBERS AND OTHERS
SENDING ITEMS FOR THIS COLUMN SHOULD
MAIL THEM SO AS TO REACH THE
EDITOR NOT LATER THAN THURSDAY EVENING.

The Aberdeen Cotton Oil Co., capital \$50,000, has been chartered by J. W. Taylor and others to build a cotton oil mill at Aberdeen, Miss.

The idea conveyed in a report in a Chicago paper that the Cosmo Buttermilk Soap Co., of Valparaiso, Ind., has gone into the hands of a receiver, is not correct. The company is in good condition and doing a good business.

The Leroy Salt Co., of Elmira, N. Y., has put in a new system of barrel making machinery which is capable of turning out from 1,200 to 1,500 barrels per day. It is an ingenious contrivance and does its work well.

The York (Pa.) Soap Works has established a branch office in the Gerkin Building, New York City.

The foundation has been laid for the building of the Delaware Glue Works, in Wilmington, and it is expected to have the factory completed by Dec. 1.

Messrs. Rood & Gottschalk, of Chicago, have been endeavoring to get capitalists interested in building a soap factory in Marietta, O., but did not meet with an extra hearty response. The gentlemen, however, are confident, and have secured an option on a piece of ground on which to erect a factory and have bids on boilers and engine. They want \$10,000 worth of stock taken in Marietta. It is said the enterprise promises good returns. The uncertainty of the result of election was a barrier in securing investors in the project, but now that Mr. McKinley is elected, it is believed the Messrs. Rood & Gottschalk will have more success in their efforts.

S. D. Gibson, of Kingston, N. Y., the soap manufacturer, has purchased the soap kettles and other machinery in McCormick's soap factory.

The next meeting of the Fertilizer Manufacturers' Association will be held at Nashville, Tenn., during the Centennial

The warehouse of the Independent Oil Mill Company, New Orleans, was destroyed by fire on Oct. 31. By the merest chance a score or more of lives were saved from death. The loss to the building is \$6,000, but of the thousand and odd tons of meal and cake damaged by fire and water, the greater portion can be recovered.

Gilbert Colgate, Sidney M. Colgate, Austin Colgate, sons of the senior member of Colgate & Co., soap makers and perfumers, have been admitted to membership in the firm. These gentlemen are the grandsons of the founder of the firm, who established the business in 1806.

A RELIABLE FIRM.

John E. Smith & Sons are manufacturers of the improved Buffalo sausage stuffer, lard and tallow tanks and presses, engines, boilers, sectional shop, blocks and general butchers' and packers' machinery. We take pleasure in calling the attention of our readers to the unusual facilities enjoyed by Messrs. John E. Smith & Sons in manufacturing their specialties, and persons requiring a chopper and mixer for mince meat, or for spice mills, should communicate with this old established and reliable firm before purchasing. All machines are guaranteed. Address John E. Smith & Sons, 50 Broadway, Buffalo, N. Y.***

Take the magnificent North Shore Limited of the New York Central for Chicago and the West.***



Columbia teaches the merchants of all nations how to make more money.

During the entire week of October 19-24 two hundred and fifty National Cash Register sales agents from all over the world were in convention at the Grand Opera House, Dayton, Ohio. The foreign delegates studied the secrets of successful American storekeeping. They contributed, also, many new ideas of the most prosperous European merchants. There were practical discussions by experts on window dressing, store organization, proper systems for handling sales, and other vital questions to retailers. All this information can be had for the asking as soon as our printing presses, which are running night and day, can get it out. Requests will be filled in the order they are received. Send in your name and address at once. Address Department F, The National Cash Register Company, Dayton, Ohio.

BUSINESS CHANGES.

Ira L. Cox, butcher, Orlando, Fla., has sold out.

D. Tye, Jr., meat market, Atlanta, Ga., has given a chattel mortgage for \$472.

Howes & Hanks, market, Basco, Ill., have sold out.

W. H. Arthur & Co., meat, Martinsville, Ill., have sold out.

Leander Smith, butcher, Sandford, Me., has given a real estate mortgage for \$900.

William H. Dryden, of Dryden & Hook, hides and tallow, Baltimore, Md., is dead.

Alfredide Dellie, groceries and provisions, Lowell, Mass., has sold out.

Mrs. Hattie L. Gray (Enterprise Co.), groceries and provisions, Worcester, Mass., has sold out to Mary G. Holland.

George Crothers & Co., retail provisioners, Boston, Mass., have filed a voluntary petition in insolvency.

Frederick M. Keith, refrigerators, Boston, Mass., has given a chattel mortgage for \$500. A mortgage against him of \$500, dated June 13, 1892, has been discharged.

Luther W. Stone, retail provisioner, Boston, Mass., has given a chattel mortgage for \$600.

James F. Cummings, provisioner, Lowell, Mass., has given a mortgage of \$300 on his stock, teams, etc.

Thanos Cristeol, wife of Demetrius, groceries and provisions, Lowell, Mass., has filed a married woman's certificate.

Zinser Bros., meat, Grand Rapids, Mich., are succeeded by Martin Zinser.

James I. Carter & Co., salt manufacturers, Detroit, Mich., have given a bill of sale for \$744.

Charles J. Pommerenke, groceries and meats, Detroit, Mich., renewal of chattel mortgage for \$800.

Frank S. Hueben, wholesale and retail meats, Kansas City, Mo., has given a chattel mortgage of \$8,000.

George K. Walker, provisions, Amherst, N. H., has given a real estate mortgage for \$1,500.

Eugene L. Louis, butcher, New York City, has gone out of business.

Peter Dueroe, meat market, Buffalo, N. Y., has given a bill of sale for \$350.

J. B. Brockett, of the Crystal Lake Ice Co. (not inc.), manufacturers of ice, Elizabeth City, N. C., sells real estate amounting to \$1,000.

James P. Weaver, groceries and meat, Toledo, O., has given a deed of \$750.

N. T. Albee, meat market, Eldred, Pa.—Execution against him of \$100.

Fritts & Ferris, Hudson, S. C., have sold their meat market outfit for \$400.

The Perfume Tablet Company, of New York City, has been incorporated with a capital of \$1,200. The directors: E. T. Graves, George A. Sheerin, of New York City; and M. Craft Gallup, of Jersey City, N. J.

W. P. Crane has opened a meat market in Westfield, Mass.

Kavanaugh & Hilliard have opened a meat market in Millers Falls, Mass.

In a fire at Milton, near Poughkeepsie, N. Y., that did \$5,000 damage, Supervisor E. T. Patten's meat market was among the business places destroyed.

Will Hamilton and Bancroft Carpenter have purchased a general provision store in Pittsfield, Mass.

Edward Kitson, of Vernon Center, N. Y., has purchased the meat market of William McCale, in Vernon, N. Y.

Philip A. Lasher has opened a meat market and grocery in Kingston, N. Y., corner Wall and Pearl streets. He is conducting similar stores in Saugerties and Glasco, and is preparing to open another in Catskill.

Vincent Ertlemyer has purchased the meat market in Waukesha, Wis., recently owned by M. F. Kiley.

Simon Badgely has sold his meat market in Lexington, O., to W. Yarger.

Henry Rostert, a butcher of Township and Sydney streets, Cincinnati, O., has been sued by P. J. Goodhart & Co., to recover a balance due on deals in margins and options.

According to the latter's account, Mr. Rostert has invested in \$2,000,000 worth of such trade since last August. Mr. Rostert will file a sensational answer to the suit.

N. S. Baumgartner has sold his butcher shop in Bridgeport, Ala., to Mr. Kirkpatrick.

B. Wallace Fish has purchased the meat business of D. S. Neal in Sandwich, Mass.

John Honchez will open a market in Bay State, Mass.

The firm of Grunewald & Regnault, meat dealers, Easthampton, Mass., is dissolved. Both will be in business for themselves, individually, the former making a specialty of sausages.

Charles Tisdale has opened a market in Newport, R. I., in the Barker Building, on Broadway.

George and Herman Beck, brothers, have purchased Henry Doerr's meat market in Altoona, Pa., on Eleventh avenue, near Fourteenth street.

Charles Barrett, a Philadelphia butcher, was given knock-out drops, from the effects of which he died.

A. V. Newton has purchased the interest of his brother in their meat market at Salamanca, N. Y., and will continue it in his own name.

L. R. Barney has bought the market in Chester, Vt., formerly owned by G. W. Hall, Jr., and Henry Brownell. The market Mr. Brownell individually owned has been absorbed by Mr. Barney, the former entering the employ of the latter.

Mr. J. D. Strickland has sold his meat market in 170 Worthington street, Springfield, Mass., to John H. O'Brien, of the same city.

It is rumored that Fred Roberts has purchased land in North Beverly, Mass., upon which he will erect a building in which to carry on the manufacture of sausages.

John D. Ryan has opened a market in Terryville, Conn.

James A. O'Donnell, the grocer, of Chicopee, Mass., has added a meat market to his business. Mr. O'Donnell is a business man of progressive ideas and has been fitted up in the most approved modern style, with all the best conveniences. A large refrigerator, of improved pattern, has been built into the store. This refrigerator has a slanting ceiling, which occupies one-half of the top of the room. Onto the other half an air tank is built, which supplies the refrigerator with cold air, and takes off the hot air, which is let in when the door is opened. The peculiar shape of the ceiling greatly aids in the carrying off of the hot air. In front of the refrigerator is a large cupboard shaped receptacle, in which the corned beef tanks are placed. These tanks are made of Akron pipe, and are very clean. The corned beef is kept cool by cold water which surrounds the tanks, running through hose pipes. This water is the drippings of the ice as it melts.

Messrs. Sherman & Ealand will erect a modern market building in Santa Barbara, Cal., provided with a cold storage plant which will be operated by electric motor.

Volk Bros. brewery in Great Falls, Mont., was burned, entailing a loss of \$30,000. Insurance, \$17,500. All the machinery and 600 barrels of beer were consumed.

W. H. Brown has opened a market in the Southern Pacific Hotel Block, in Ontario, Cal.

**NELSON MORRIS & CO. AT STAND
LATELY OCCUPIED BY GEORGE
FOWLER, SON & CO., LTD.**

See page 25, city news notes, for announcement of opening on Monday next.***

**THEIR ELEVENTH INTERNATIONAL
CONVENTION.**

About 300 sales agents and salesmen from all over the world attended the eleventh annual international convention of the National Cash Register agents, which was held at the Grand Opera House, Dayton, O., during the entire week of Oct. 19th to the 24th.

One evening was devoted to the subject of window displays for retail merchants. This was illustrated by a large window built for the tage and actually trimmed with displays calculated for use by merchants in various lines of trade.

There was, also, considerable discussion on the subject of organization of retail stores. A large delegation of prominent local merchants attended this session of the convention and extended thanks to the company for the information furnished them in regard to money making systems.

All this information will be printed in pamphlet form, and retail merchants, who so desire, can get it by sending their name and address to Department F, National Cash Register Company, of Dayton, O.***

Cincinnati, Indianapolis, St. Louis reached quickest and most comfortably by the superb Southwestern Limited of the New York Central.***

CONSULT US.

Sometimes your tallow is off in color and flavor; sometimes your cotton oil does not bleach well; sometimes your canned goods "blow up"; sometimes your sausage seasoning does not meet with general approval; sometimes your glues run on the nets, they may sometimes turn black and sour. You may not know what the trouble is. We do. That's our business.—The National Provisioner Analytical Laboratory.

\$10. Order for Copies of Directory and Handbook.

Send C. O. D. by Express Copy of your "Pork Packers' Handbook and Directory" (440 pages), at the price of TEN DOLLARS (\$10.00) per copy. Name _____

The National Provisioner Pub'g Co.

284 & 286 Pearl St.,
NEW YORK.

Address { _____

CUT OUT.

CUT OUT.

TIGHT

MALLEABLE IRON

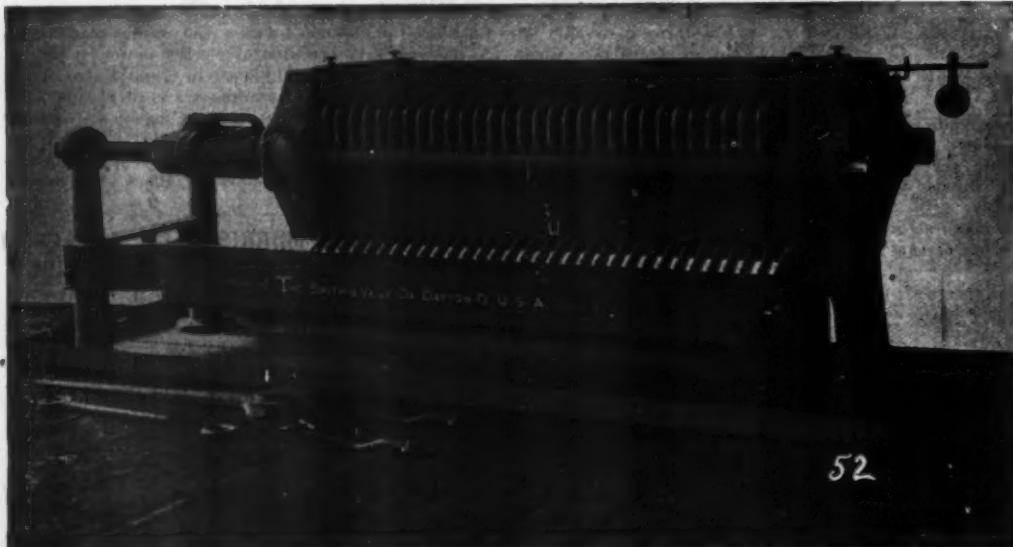
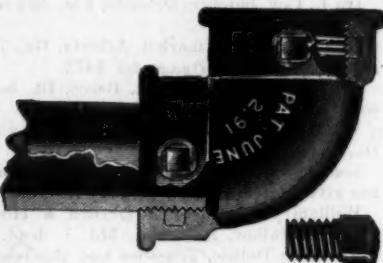


JOINT

AMMONIA
FITTINGS

For ICE & REFRIGERATING MACHINES
NEVER LEAK.

TIGHT JOINT CO., 181-183 BANK ST., N. Y.



FILTER PRESSES

Specially constructed for the
Filtration & Clarification
of Animal and Vegetable
OILS AND GREASES

ALSO
Refrigerating
Machines,
From 1 Ton up to 10 Tons.
Specially built for
Large Retail Butchers
AND
Packing Houses.

52

THE STILWELL-BIERCE & SMITH-VAILE CO., DAYTON, O.

New York House, 112 Liberty St.

Catalogues Furnished.

Chicago House, 63 S. Canal St.

CANNING MACHINERY OF ALL KINDS.



DIES,
PRESSES and
SPECIAL
MACHINERY.

Automatic
Can Soldering
Machines.
Entire Outfits
for Canners
and Can
Manufacturers.

PACKERS' TANKS AND PICKLING VATS



IRON and Wood.
LOUISIANA RED CYPRESS WOOD TANKS
A SPECIALTY.

W. E. CALDWELL CO.
149 East Main St., LOUISVILLE, KY.

OIL CAKE AND MEAL.

MESSRS.
JOHAN KOOPMANS & CO.

AMERICAN IMPORTERS,
AMSTERDAM, HOLLAND,

ARE DESIROUS OF CORRESPONDING WITH
CRUSHERS OF SEED TO REPRESENT
THEM FOR

CAKE AND MEAL.

Hopkins, Dwight & Co.,

COTTON, COTTONSEED OIL
and SOUTHERN PRODUCE

COMMISSION MERCHANTS,

Rooms 50 to 54 Cotton Exchange Building.
NEW YORK.

GUSTAVUS C. HOPKINS. LUCIUS HOPKINS SMITH.
CHARLES DEXTER MILLER. SAMUEL HOPKINS.

**Subscription blank
on page 46.**

PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

* The Miles City Provision Company has augmented its plant by putting in a four-horse engine and boiler, which will be used in the sausage manufacturing department of their business. The shop disposes daily of 315 lbs. of the four different kinds of sausage, and now, that cold weather is approaching, the consumption of that class of food will be much increased, necessitating the use of power to accomplish the work with proper economy.

* During the sound-money parade in Cincinnati Saturday last Henry Loewenstein, a prominent capitalist and director of the Cincinnati Abattoir Company, dropped dead while marching with his employés.

* The Armour & Co. meat refrigerators in Marlboro, Mass., is to be doubled in size and an elevator will be put in. Other improvements will be added to keep pace with increasing business.

* The rumor that Armour & Co. will purchase the stock yards property at North St. Louis is authoritatively denied. There are indications, however, that the big packers of Chicago, who have been figuring for many years with riverside property-holders in St. Louis, intend at no distant date to erect stock pens to be possibly followed later with packing houses.

* The city council of Chattanooga, has just formulated an ordinance which in effect will close butcher shops on Sunday. The local trade is elated at the early prospect of the enforcement of the new law.

* The following advice to retailers is given by an exchange: "Only buy hams and bacon in quantities that will suit your trade, and the best you can obtain. Keep in cool place and free from flies, and never keep a large quantity exposed to the heat."

* The annual election of officers of the Market Dealers' Co-operative Association, of Washington, D. C., resulted in unanimously re-electing Mr. J. K. Mangum president for the third consecutive term; O. D. Jackson, vice-president; F. L. Summy, secretary; Robert Bowdler, financial secretary; Robert Lavender, marshal; J. I. Gardiner, chaplain, and L. C. Morrison, warden. This association has done much good during the past two years in regulating evils pertaining to this branch of industry. The meeting ended with a "smoker" and plenty of sociability.

* Owing to the smallness of stocks and moderate arrivals, holders of bacon in England ignore the sharp fall in American specu-



lative circles, the only traceable effect being a quieter demand. Shoulders continue very firm, and light weights of squares tend in sellers' favor. Hams continue firm. Lard, in sympathy with the reduction in c.i.f. quotations, are fully 1s. per cwt. lower at 23s. 6d. to 24s., but attracts more attention.

* The city council of Washington, D. C., recommends in their annual budget an increase of \$3,131.81 for the budget item of special repairs to market houses.

* The Kansas City (Mo.) "Journal" says that the shortage in the corn crop and higher price of cottonseed in Texas this season are going to have a telling effect upon cattle feeding there this winter. It is pretty generally agreed by the Texas cattle men that have been on the yards here the past few days that there will not be much more than one-third as many cattle fed in Texas this season as last. A good many hogs are being shipped out of Texas to Kansas to be fed on the cheap corn there. The receipts of cattle in Kansas City the past week were 8,000 heavier than the same week last year.

* It is probable that by the time spring rolls around Grand Rapids, Mich., will have a public market.

* The news comes from Detroit, Mich., that hogs are succumbing to cholera in Anderdon and Madden townships.

* Chicago, Nov. 4.—The Joint Traffic Association has directed its roads to do away with the switching charge of \$1 per car, now in force on all live stock leaving the stockyards for Eastern points. The switching charge for a long time has been a matter of contention among the roads of the association, and the shippers of live stock look upon its abolition as a very important concession.

* For publishing boycott notices against the Armour Company, the publishers of the Midland Mechanic, of Kansas City, Mo., have been served with a United States Court injunction ordering them to discontinue printing said notices, which were indorsed by the American Federation of Labor.

* Instructions from the United States Secre-

tary of the Treasury have been issued opening the port of Richford, Vt., for the entry of Canadian cattle. The ports of Island Pond and Beecher Falls, Vt., through which such shipments formerly passed, are to be closed to Canadian cattle for the present. The Department of Agriculture has approved the new cattle sheds built at Richford, and it is expected that a large trade in export cattle via Boston, through this port, will be done this winter. The sheds cost \$5,000.

* A union slaughter house is to be built in Shreveport, La.

* N. P. Kayler, of Molalla, Ore., has engaged in the pork-packing business. He expects to handle quite a number of hogs this winter. Jacob Harless & Son, of the same city, will also pack.

* Ben Jones, of London; Joseph Clay, of Gloucester, and William Stoker, of Newcastle, recently arrived in San Francisco from the Antipodes. They are representatives of the Manchester Co-operative Society, an institution which is doing business with a capital of £7,000,000, and which has big stores and agencies scattered throughout the United Kingdom. The society is organized for the purpose of affording the poor and middle classes an opportunity of purchasing supplies and the necessities of life direct from the producers, growers and manufacturers, thereby saving to the purchaser the profits of the wholesaler and middlemen. The society has proved a big success and has become an extensive and powerful concern in England, and the representatives now here say they have been in New Zealand and Australia to see if it would be practicable and feasible to organize branch agencies in those colonies. As a result of their visit they say it is highly probable that the society will engage in the business of handling refrigerated meats from the Australian colonies.

* A. J. Lafever, of Visalia, Cal., killed a pig the other day for family use that weighed 107 pounds and yet was only four months old. It was the biggest little pig that he had seen for some time.

ALL CURED MEATS, SAUSAGES AND BOILED MEATS

ROLL PARCHMENT PAPER

Is the attractive feature on the counters of many stores, being used by the leading butchers

ON OUR PREMISES

We have a complete printing department for printing Parchment Paper.

ESTIMATES PROMPTLY FURNISHED.

CUTTER FREE WITH FIRST ORDER.

WE MANUFACTURE ALL THE PAPER WE SELL.

Paterson Parchment Paper Co.

OFFICE AND WORKS, PASSAIC, N. J.

EASTMANS COMPANY**OF NEW YORK.****CITY DRESSED BEEF.**

Salesroom and Abattoir:

69th STREET, 11th AND 12th AVENUES,

NEW YORK.

Telephone Call, 896-38th St.

Main Office Telephone Call, 641-38th St.

TELEPHONE NO. 57-38TH STREET.

JOSEPH STERN & SON

(Successors to STERN & METZGER).

WHOLESALE BUTCHERS

ABATTOIRS, 616, 618 & 620 W. 40th St.

SALESROOMS, 617, 619 & 621 W. 39th St., N. Y.

BEST QUALITY OF CITY DRESSED REFRIGERATED BEEF ALWAYS ON HAND.

APPLES

and all kinds of
Fruit and Vegetables
are now
being successfully stored by the use of Ammonia Refrigerating Machinery. We have a number of books on that subject.

Redwood Ammonia Refrigeration, . . . \$1.00
Seash's Refrigerating Machinery, . . . 2.00
Taylor's Ice and Refrigeration, . . . 3.00
Sent postpaid to any address on receipt of price.

SPON & CHAMBERLAIN, Publ., 10 Cortlandt St.,
NEW YORK.**GUSTAV GOLDMAN**MANUFACTURER AND DEALER IN
ALL CELEBRATED BRANDS OF**BOLOGNAS AND SAUSAGES**

Packer of Tongues, Smoked and Pickled Beef.
No. 314 EAST HOUSTON ST., NEW YORK

**KAUFMAN & STRAUSS,
WHOLESALE BUTCHERS**

Slaughter House, 622 & 624 W. 40th Street.
Salesroom, 623 & 625 W. 39th Street.
Office, 623 West 39th St., NEW YORK.
TELEPHONE 1430-38th St.

William Ottmann & Co.,BUTCHERS, PACKERS AND EXPORTERS,
FULTON MARKET,

NEW YORK.

PROVISIONS,
POULTRY
AND GAME,

NEW YORK.

SCHWARZSCHILD & SULZBERGER CO.,

NEW YORK ABATOIRES: KANSAS CITY.

Packers and Curers of Choicest Grades of

**Beef, Veal, Mutton and Pork,
ALL PACKING HOUSE PRODUCTS.**

MAIN OFFICES:

45th St. & First Ave.

NEW YORK CITY.

MAIN BRANCH AND ABATTOIR:
1st Ave., 45th & 46th Sts. & East River.

DEPOTS: 518 West Street; Gansevoort Market; Tompkins Market, Third Ave. and 7th St.; First Avenue and 102d Street; Twelfth Avenue and 132d Street.

BROOKLYN:

DEPOTS: Pacific and 5th Avenues; Wallabout Market.

Also Branches and Depots in all of the Principal Cities of the United States.

MANHATTAN BEEF CO.,1, 2 and 3 MANHATTAN MARKET,
West 35th Street, NEW YORK.

Consignments Solicited.

POULTRY AND COUNTRY VEAL**BRANCH HOUSES.**

HUDSON RIVER BEEF CO., Ltd., 133d St. and 12th Ave., New York.

WHEELER, BRADSTREET & CO., 100 and 102 Gansevoort St., New York.

EAST RIVER BEEF CO., LTD. Long Island City, N. Y.

A SPECIALTY.**THE HAMMOND COMPANY****CHOICE**Chicago Dressed Beef,
Veal, Mutton, Lamb,
Hogs, Provisions.**BRANCH HOUSES.**

ATLANTIC BEEF CO., Ltd., 174 and 176 Fort Greene Place, Brooklyn, N. Y.

PACIFIC BEEF CO., 106 N. 6th St., Brooklyn, E. D.

HOBOKEN BEEF CO., Hoboken, N. J.

N. H. Snyder, SHIPPER AND DEALER IN Standard Provisions and Meat Specialties,

231 Fulton Street, NEW YORK. Telephone Call: 3066 Cortlandt.

Tongues, Tripe and Pigs' Feet in Vinegar, 25, 50 and 100-lb. Kegs. Hotels and the Trade solicited. Orders by Telegraph or Letter promptly attended to.

TELEPHONE 575A, 38TH STREET. J. M. & P. SCANLAN, 108 BROOKLYN.

MUTTON, LAMB AND VEAL.

Main Office and Abattoir, 613 to 619 West 40th Street, New York.

Branches at: West Washington Market, New York, 100 Fort Green Place, Brooklyn.

ALSO DEALERS IN

PULLED WOOLS, PICKLED SHEEP AND LAMB PELTS.

THE HARLEM PACKING HOUSE**RICHARD WEBBER,**

OFFICE AND REFRIGERATED SALESROOMS:

120th Street and Third Avenue,
NEW YORK.

 SLAUGHTERER OF AND DEALER IN
CATTLE, HOGS AND POULTRY.
PORK AND BEEF
PACKER.
LARD REFINER.
CURE.
OF FINE PROVISIONS
FOR HOME AND
EXPORT TRADE.
ABATTOIRS, FOOT OF W. 39th ST., NEW YORK
ST. JOSEPH, MO. SIOUX CITY, IA.**The Consumers Veal AND Mutton Co.**ABATTOIR AND OFFICES:
776 FIRST AVENUE, NEW YORK.
TELEPHONE CALL: 935 38th St.WHOLESALE DEALERS IN
VEAL, MUTTON and LAMB.
**G. & D. ISAACS,
WHOLESALE
BUTCHERS**

 MANUFACTURERS OF
DUESSETT BRAND EXTRA OLEO OIL, Stearine, etc.

PORK BUTCHERS STRIKE IN CHICAGO.

Chicago, Nov. 5.—All the pork butchers at the packing houses in this city are on strike, caused by the failure to advance their wages, as is customary for the winter season. During the summer wages are \$1 a day less than in winter, the change taking place usually in October. On the plea of hard times and the approaching election the date of change was postponed until Nov. 4. Yesterday the men were notified that only 75 cents additional would be allowed, and they struck.

STOCK FEEDING—OIL CAKE AND MEAL.

Arrangements have already been made with Texas oil mills to feed from 60,000 to 75,000 head of cattle. A cheering sign of the times is indicated by the evident disposition of the crushers to make the merits of meal and coke as feeding materials known as they should be. Several of the mills are advertising the fact that they have capacity to feed from 500 to 1,000 or more head of cattle, a circumstance which will render them practically independent of the export branch of the trade, if properly developed. It is a fact and a reproach to the spirit of American enterprise, that thousands of American farmers practically know nothing of cotton cake and meal as feeding materials.

—The Honey Grove Cotton Oil Company has been incorporated with a capital stock of \$50,000, to manufacture cottonseed oil, etc., at Honey Grove, Tex., by J. T. Holt, J. M. Williamson, W. D. Wilkins, and F. W. Underwood.

NEW YORK PRODUCE EXCHANGE NOTES.

The Chicago stocks on the 1st inst. were: Old mess pork, 96,000 barrels; new mess pork, 10,000 barrels; lard, 155,000 tierces, and ribs, 20,000,000 pounds. The supply of lard decreased to the extent expected, ribs twice as much as expected and pork increased instead of decreasing.

James B. McMahon, of the N. K. Fairbank Co., Chicago, visited New York during the week and was cordially greeted by his old friends on 'change. "Jim," as his intimates call him, does not look as stout or strong as when located here, but he still wears his characteristic smile, and says he never felt better. Rumor has it that when Mr. McMahon was transferred to Chicago he did not entirely give up his management of the New York branch; that as a tribute to his ability as a manager, the company placed both the Chicago and New York management under his watchful eye. Mr. McMahon is not a long time out of the

twenties, and is a young man with large responsibilities, but he has been with the Fairbank people since he was "knee high to a grasshopper," and those who know him best say that what he don't know about the business isn't worth knowing and they are doubtless right.

Mr. Charles Armour is seen occasionally on "Change nowadays. It will be recalled that he had a very severe attack of sickness during the past year, which took him pretty close to death's door, but, fortunately, I understand his health is much improved.

"Ed" Valk had some nice bets in a reasonable way on McKinley, and from a glance which I got of his notebook I should think that his winnings would easily run into four figures.

That was quite a demonstration on Wednesday afternoon to celebrate the election of McKinley and Hobart, and the fact that it was an impromptu affair no doubt added considerably to its enjoyment. I judge that between the visitors and delegations from the Cotton and Stock Exchanges, there must have been about 3,000 persons on the floor at 3 o'clock, and as each one carried a flag and energetically waved it to the accompanying music furnished by Bayne's 9th Regiment Band in the rendition of "Marching Through Georgia," "The Red, White and Blue," "My Country 'Tis of Thee," and other popular and patriotic airs, the effect was decidedly inspiring. Our

(Continued on next page.)

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

—The Moberly Artificial Ice Company has been incorporated at Moberly, Mo., with a capital stock of \$20,000, by J. B. Cott, L. W. Kelley, and others.

—The report is current that Mr. Howard, of Nevada, Mo., will erect a 20-ton ice plant.

—The Health Department of Chicago has notified ice dealers that next summer they will not be permitted to sell ice cut from polluted water for any purpose. During the past season ice of this kind has been sold ostensibly for packing and cooling purposes only. Much of the ice, it is said, was so foul as to poison meats in the refrigerators and cooling rooms where it was stored.

—Lord & Starbird, Oxford, Me., are enlarging their buildings for the purpose of putting in a refrigerator.

—S. R. & W. B. Blount, of Phoenix, Ariz., recently came East, where they perfected arrangements in order that their ice plant may double its present capacity.

—The large refrigerator owned by J. U. Darrin, in Cincinnati, N. Y., was destroyed by fire.

—The Messrs. E. Gray & Co., ice dealers, Old Town, Me., will enlarge their plant, increasing the capacity about 300 or 400 tons.

—The directors of the newly-incorporated Cold Storage Co., of Locke, N. Y., are: J. Lavern White, of Locke; V. A. Coggeshall, of Groton; Charles B. King, of Locke; I. J. Main, of Locke; C. G. Parker, of Moravia; William Holden, of Groton, and Charles J. Hewitt, Charles D. Fuller, J. Melville Stewart, Fay D. Hewitt and A. C. McIntosh, all of Locke.

—It is reported that another ice factory is soon to be erected in Des Moines, Ia.

—A cold storage warehouse is to be built, it is reported, in Atchison, Kan.

For OVER TEN YEARS THE STANDARD!

P. & B. INSULATING PAPERS
will give better satisfaction and
will prove more durable and
effective than any others made.

They are free from tar and are
absolutely airtight, odorless, and
impervious to moisture.

P. & B. PAINT cannot be equalled
as a preservative for Coils, Vats,
Brine Pipes, Iron or Wood no
matter how exposed.

WRITE FOR INFORMATION AND SAMPLES.
The Standard Paint Co.

SOLE MANUFACTURERS,
81-83 JOHN STREET, NEW YORK.

CHICAGO:
180 Fifth Avenue.

BOSTON:
J. A. & W. Bird & Co.,
117-119 Milk Street.

PHILADELPHIA:
Standard Supply and
Equipment Co., 22 S.
Fifteenth Street.



FACTS.

All Ice Manufacturers know that there are inferior Ice and Refrigerating Machines built.

We stand ready to challenge any builders to show that our machines are as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.



GENERATOR—Pat. Jan. 24, 1888, and Sept. 23, 1890.

Write for Prices.

SULZER-VOGT MACHINE CO.
Builders of Latest Improved
Ice and Refrigerating Machines.

ATMOSPHERIC CONDENSERS, COILS, TANKS
FURNISHED FOR ANY MACHINES.

Absorber with Patented
Automatic Regulating
Valve. (Pat. No. 1,167,924.)



•• Established 1868 ••

S. OPPENHEIMER
& CO.

Manufacturers and
Importers of

Sausage Casings

OF EVERY DESCRIPTION.



Importers and Dealers in

SPICES.



Sausage Makers' Specialties.



ALL KINDS OF

MACHINERY



96 and 98 Pearl Street
NEW YORK
449 Wabash Avenue
CHICAGO
47 to 53 St. John Street
LONDON
15 Katharinen Strasse
HAMBURG
Clermont Terrace
WELLINGTON

The National Provisioner.

November 7, 1896.

BERTH LEVI & CO.,
89 PEARL STREET, NEW YORK.
19 MICHIGAN AVENUE, CHICAGO,

HOG AND BEEF CASINGS.

Importers of English, Russian and New Zealand Sheep Casings.

BEST GERMAN POTATO FLOUR.

FOOD PRESERVATIVE (DRY ANTISEPTIC).

TELEPHONE No. 1251 BROAD...

BECHSTEIN & CO.

SAUSAGE CASINGS

New York: 12 Coenties Slip.

Chicago: 73 Market Street. London: 118 Great Suffolk Street.

ILLINOIS Casing Company,

Cleaners and Importers of

Sausage Casings,

102 Michigan Street, - - - Chicago.

VORNBERGER, HIRSCH & CO.

(Limited),

MANUFACTURERS AND CLEANERS OF PRIMEST QUALITY

610 West 39th Street, NEW YORK.
5 Cowcross St., LONDON. 48 Market St., GLASGOW.
19 St. Andrew St., LIVERPOOL.

Established throughout Great Britain and Germany.
ONE QUALITY ONLY.

Sheep Casings,
Cattle Guts,
Hog Casings.

"THE BEST."

CASINGS WEIL'S CASING COMPANY,
626-630 HOWARD ST., BUFFALO, N. Y.,
Cleaner of and Dealer in all kinds of SAUSAGE CASINGS.
Best Spices, Saltpetre and Potato Flour.

JOSEPH BACHARACH, SAUSAGES.

347 GREENWICH ST., NEW YORK.

Established 1876.

Telephone, 586 Franklin.

Importer and Exporter of
GERMAN, FRENCH, ITALIAN AND
FINE WESTERN.

SPICES PLAUT & STRETCH,
Importers and Jobbers of SPICES,
"PURITY SPICE MILLS,"
50 Pearl Street, NEW YORK.
Supplies for the Packing, Provision and
Sausage Making Trades a specialty.
QUOTATIONS AND SAMPLES SENT TO ANY ADDRESS.

**N. WOLFSKEHL, SAUSAGE
CASINGS,**
134 PEARL STREET, NEW YORK.

ESTABLISHED 1874.

**M. ZIMMERMANN,
MANUFACTURER AND DEALER IN ALL KINDS OF
Kosher Provisions**
LARGEST PLACE OF ITS KIND IN THIS CITY.
318-320 E. Houston St., NEW YORK.

KNOWLES BROS.
161 Pearl Street, New York,
RECEIVERS FOR

SALT PETER
CRYSTALS, GRANULATED AND POWDERED.

PRODUCE EXCHANGE NOTES. Continued.

contemporary, Trafton, had charge of the music, and Vice-President Brainard "did the rest." Mr. Alfred Churchman, who is certainly the doyen of the exchange, in point of years, at all events, was as sprightly and energetic in marching around as the youngest man in the crowd.

The demonstration was not without a humorous aspect, for shortly before it commenced a telegram was received from the West stating that the "Star" of Kansas City, a Republican paper, had hoisted a bulletin during the forenoon, stating that Bryan had 241 votes in the Electoral College. The circumstance, however, had no dampening effect and was regarded generally as a joke, the aftermath of a Western blizzard.

In all my experience on 'Change I never recall a time when there was such a unanimity in regard to the future of wheat, as at present. Every man you meet is a bull on the situation, and many of them will tell you that \$1 wheat is not far off. If such a price should be reached wheat would certainly pull up corn with it, and provisions would advance as a natural sequence. Live hogs might go down, however, in consequence.

The N. K. Fairbank Co.'s monthly estimate gives the World's supply of lard on the 1st inst as being: In Europe, 210,500 tierces; afloat, 90,000 tierces; in the United States, 186,131 tierces.

The reduction from the October statement aggregates 32,843 tierces.

New York warehouses had 16,698 tierces of

TELEPHONE, 299 FRANKLIN.

**JAMES H. O'BRIEN,
SCALE MAKER AND REPAIRER.**

Manufacturer of Over-Head Scales and Tracks for Weighing and Handling all kinds of Merchandise. Dealer in New and Second-Hand Scales. Scales Tested and Sealed to U. S. Standard.

75 NEW CHAMBERS ST. NEW YORK.

**NORTON & WORTHINGTON,
BROKERS, No. 3 Chicago Board of Trade, CHICAGO.**
Execute Orders for the Purchase or Sale of GRAIN, PORK, LARD, RIBS, SEEDS, ETC., FOR CASH OR FOR FUTURE DELIVERY.
Correspondence Invited.

PICKLED LOINS, TRIMMINGS, BUTTS, and all kinds of LEAN PORK PRODUCTS
Bought by KACHELMACHER & BOHMER, 174 Chambers St., New York.

Why buy back numbers? Choose the latest and best. Price \$15, \$25 and \$35. Catalogues and information cheerfully furnished. Printers of all kinds of Autographic Stationery.

The Egry Autographic Register Co., Dayton, O., U. S. A.

prime and 268 of off grade lard on the 1st inst.

The distance between Chicago and New York and the incidental inconveniences encountered in covering same, together with the necessity of dropping important business engagements, are as nothing when compared with the duty which one owes to his country when such a crisis as that which we passed through on the 3d comes around. This was exemplified by the flying visit of Mr. James B. McMahon, of the Fairbank Co., Chicago, to New York, for the purpose of recording his vote, not having secured his residence in the Western metropolis.

The Produce Exchange was well represented in the immense demonstration in this city Saturday last when the 100,000 and more business men testified to their patriotism and love of country and as being against repudiation and dishonor. The Produce Exchange Sound Money League assembled at Beaver and Broad streets, and had nearly 5,000 men in line. Heading their division came the 69th Regiment Band and Drum Corps, which was the only one of the five they had engaged that they were able to get in town. The men made an exceptionally fine appearance and were greeted with continuous cheering.

Mr. Charles H. Blachford, at 333 Produce Exchange, Eastern agent for years of the Chicago Packing and Provision Co., has discontinued his connection with that concern and will continue business in the same line on his own account.

One of the best posted men on 'Change is Mr. Carl Drier, manager of the Wilcox Lard Co. There is hardly a question relating to the lard, tallow or stearine business or any other branch in the provision trade that he cannot readily reply to, and he has all the figures and statistics at his fingers' end. His company has done well under his management and, contrary to others, the war in Cuba has affected its business comparatively little.

**CHARLES MILLER,
MANUFACTURER OF
BUTCHERS' FIXTURES
Boxes, Tools, Etc.
Ice Houses for all purposes.
Fish and Oyster Markets fitted up.
All Orders Promptly Attended to.
505 West 45th St., New York.**

5 Cents

per day will pay for an Egry Manifolding Register in less than a year.

7 Cents

per day will pay for an Egry Itemized and Summary Register combined, in a year.

10 Cents

per day will pay for an Egry Folding Record Register making record book-like, in less than a year.

WRITE US FOR PRICES

ON CARLOAD LOTS OF

Dressed Beef, Mutton, Veal and Hogs,
also Sweet Pickled and Smoked
Meats, Kettle-Rendered Lard,
etc.

We are in the great Iowa cattle and hog belt and think we can do you some good.

TRI-CITY PACKING & PROVISION CO.,

Manufacturers and Jobbers,

DAVENPORT, IOWA.

ROBT. H. KELLY & CO.,

Grain, Provisions, Stocks and Cotton.

Member Chicago Board of Trade since 1879.

THE POSSIBILITIES

For money making are unusually good at the present time, and the extremely low prices now prevailing should be taken advantage of by the investor. Our handbook and daily review of the market sent free upon request. "Facts and Figures," the best and most complete book published pertaining to the speculative business, sent to any address for 10 cents in stamps. Always glad to correspond with any one concerning the market and cheerfully furnish any information wanted in regard to same. Favor us with a share of your business and you will not regret placing your orders through our house.

ROBT. H. KELLY & CO.,
Gen'l Offices, Entire 10th Floor, 226 LaSalle, Chicago.

DO YOU

WANT TO
BUY OR SELL

Wheat, Corn, Oats or Provisions on the
CHICAGO BOARD OF TRADE?

Accounts of GRAIN DEALERS or orders for

SPECULATIVE INVESTMENT

Solicited. Write to us. Liberal advances made on consignments where Drafts are drawn with Bills of Lading attached. Private Cipher Code and Market Manual furnished free.

MCALAIN BROS. & CO.
RIALTO BUILDING, CHICAGO.

Good Meat Alone

is not enough. The butcher who wishes to build up a big trade must have a nicely furnished shop. The man who has

An Up-to-date Shop

will get the up-to-date trade. Customers like to see attractive refrigerators, modern machinery and handy tools.

All Butcher Fixtures

of the latest and best make, as well as refrigerators and tools, are manufactured by

T. FARRELL,
328 West Forty-First Street,
NEW YORK CITY.

SWIFT AND COMPANY ~ CHICAGO ~
 MANUFACTURERS
 HIGH GRADE **SUMMER SAUSAGE**
 FOR DOMESTIC AND EXPORT TRADE.
 CERVELAT
 SALAMI. QUOTATIONS UPON APPLICATION. HOLSTEINER
 FARMER.

Cable Address: "ESSBEEF."

Telephone: No. 436, JERSEY.

Jersey City Packing Company,
 BEEF AND PORK PACKERS. Curers and Exporters of and Dealers in Fine Provisions. Refiners of Lard.
 Manufacturers of "White Star" Brand of Lard. "Eagle" Brand of Hams and Breakfast Bacon. "Peerless" Brand Sausages.
 BEEF AND PORK PACKED SPECIALLY FOR ALL CLIMATES.

Salesrooms and Packing Houses: 138-154 9th St., JERSEY CITY, N.J.

NORTH PACKING AND PROVISION CO. PACKERS AND JOBBERS OF
 PROVISIONS

Highest Award, Diploma and Medal, at World's Fair, for Pure Lard, Hams, Bacon, Bl. Pork, Neutral Lard, Sausages.

PURE LEAF LARD, 3, 5, 10-LB. PAIL TUBS, 33 & 34 N. MARKET STREET, BOSTON.
 TIERCES. 444, 446 & 448 PRODUCE EXCHANGE, N.Y. CITY.
 Try their North Star Brand for something extra choice. Sure to please.

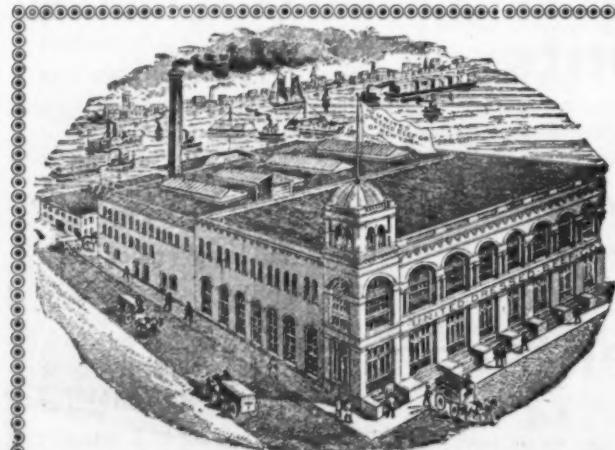
PACKING HOUSE, - SOMERVILLE, MASS.

FREDERICK BOHNET, GENERAL PROVISION DEALER,
 ESTABLISHED 1850. ORDERS PROMPTLY ATTENDED TO.
 TELEPHONE, NO. 682 FRANKLIN. CITY OR COUNTRY.

188 & 190 MONROE ST., NEW YORK.

John P. Squire & Sons' HAMS AND BACON
 ARE THE FINEST IN THE WORLD.
 Telephone 282 Franklin. Their process of preparing and curing gives that delicate flavor and beautiful color
 for which they are noted, and adapts them to any climate or season of the year.
 OUR KETTLE RENDERED LEAF LARD CANNOT BE EXCELLED. . . . 20 Harrison Street, New York.

READ THE
 COLORED INSERTED SHEET



The United Dressed Beef Company OF NEW YORK,
 Sales Office Telephone, 303 38th St.
CITY DRESSED BEEF.

PACKERS AND EXPORTERS OF INDIA MESS AND ALL SALT BEEF.
 HIGHEST PRICES PAID FOR SHOP FAT AND KIDNEY SUET.
 Beef Casings, Dried Blood, Fertilizers, Oleo Oils, Stearine,
 Prime City Tallow, Ground Bone, Horns and Cattle Switches,
 Selected Hides. All Grades Salted Beef.

43d & 44th STREETS,
 FIRST AVE. and EAST RIVER, NEW YORK.

ISAAC BLUMENTHAL, President.
 LEWIS SAMUELS, Treasurer.

ADOLPH EDELMUTH, Vice-President.
 LEWIS A. LONDON, Secretary.

LOOK AT PAGE 47.

The New York Retail Butchers' Mutual Protective Association

OFFICERS . . .

ARTHUR BLOCH, President, 791 Park Ave.
WM. G. WAGNER, 1st Vice-Pres., 573 First Ave.
GEO. H. SHAFFER, 2d Vice-Pres., 474 Fourth Ave.
FELIX HAAS, Treasurer, Central Market
OTTO GEISS, Financial Secretary, 508 West 51st St.
CHARLES YOUNG, Recording Sec., 873 Park Ave.
GEO. WILLI, Corresponding Sec., 710 Second Ave.
PATRICK MAY, Serg't-at-Arms, 523 W. 39th Street.

OFFICE, 873 PARK AVE.
NEW YORK.

MEETINGS HELD EVERY SECOND AND FOURTH MONDAY OF EACH MONTH. MEETING ROOMS: RETAIL GROCERS' HALL, 138 & 140 EAST 57TH STREET.

NEWS COMMITTEE:
EDWARD DAVIES, West Washington Market.
FELIX HAAS, Centre Market.
HERMAN BROCKNER

NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

** Nelson Morris & Co. have secured the location formerly occupied by George Fowler, Son & Co., Ltd., at 23 Tenth avenue (Gansevoort Market). The place has been thoroughly renovated and painted and will be opened up for business Monday morning next, Nov. 9, with a full line of beef, etc., under the management of Mr. David Moag.

** Marschelder has fitted up new shops for W. W. Edwards, in Fordham, N. Y.; Philip Lehrback, 774 East 17th street; and Mr. Mayer, in 18 East Eighth street.

** The city meat men in general are well pleased with McKinley's election. Mr. Kersheimer, of Schwarzschild & Sulzberger, says that already they have noticed that there is a decided increase in beef products as witness the jump in hides. And by the way, nearly all of "S. & S.'s" men are strong sound money supporters. There is one notable free silver man among them and he has been since the start. He is now enjoying the bantering of his friends, but they cannot overlook the fact, however, that he, like his candidate, is gritty and full of nerve. At the New York Small Stock Co., Messrs. Abram Frank, David Adler, and Simon Strauss, were all rejoiced that the integrity of the nation had been preserved.

** Mr. Joseph H. Madden, Superintendent of the fat department of Schwarzschild & Sulzberger, was the National Democratic (sound money) candidate for Congress in the Thirteenth district, and while not elected—and of course he didn't expect to be—he made a strong run. He has the satisfaction of knowing that he stood for a noble principle.

** The third annual ball of the Schwarzschild & Sulzberger Employés' Benevolent Association will be held on the evening of Dec. 4, in Terrace Garden, Fifty-eighth street and Lexington avenue. The ball bids fair to eclipse its predecessors.

** Mr. William Mokler, boss carpenter for "S. & S." died Monday at his home as the result of a hemorrhage. He was one of the most faithful of the employés and had served twenty years. The funeral was held Wednesday and large floral pieces from employers and employés marked the esteem in which he was held.

The building at 102 Barclay street is being renovated and fitted up for the occupancy of Adams & Co., who are now located at Stalls 31 and 32 of Washington Market. The company was incorporated on Oct. 1 with a capital stock of \$10,000, which is all paid in. Mr. R. A. Adams is the treasurer and general manager of the company, while Mr. J. F. Wallace is the president, and Mr. J. F. Ward, both of this city, is secretary. The company will be wholesalers of prime beef, lamb, veal, poultry, game and provisions, and will include in their specialties the supplying of hotels and restaurants. They will also handle consignments. Treasurer Adams informed a "National Provisioner" man that they hoped to be located in their new quarters at 102 Barclay street on or about Nov. 20, at which time the Washington Market stand will be abandoned by them.

** Loschinger Bros. have opened a new shop at 284 Tenth avenue.

** Among the new markets which have been fitted up lately by William J. McLean, are those of Charles Falk, 412 Amsterdam avenue; F. Simon, Lawrence street and Broadway; Max Schneider, No. 1 Morris street, and L. Seib, at 208 Lewis street, Brooklyn.

** Mr. Augustus C. Bechstein, of Bechstein & Co., is a member of the Grand Jury for the November term of court.

** Miss Ida Strauss, daughter of the genial and popular Mr. Strauss, of Kaufmann & Strauss, will be married Nov. 10 to Mr. Marshall.

** The daughter of Mr. S. Oppenheimer, of S. Oppenheimer & Co., will be married on Nov. 10.

** There is considerable agitation among the butchers in New Jersey over the attempt of a firm of hide and skin dealers in New York to purchase fat above market prices in order to crowd out a number of local renderers in New Jersey. Meetings have been held in several towns and the subject discussed pro and con. It was stated that if the New York house succeeded in crowding out the New Jersey firm the price of fat would at once drop down to almost nothing and the butchers would be the losers in the end. It is reported that complaints in the matter have been made to the Board of Health of New York City, it being a violation of the rules of the board to import fat and bones into the city. Developments are watched with much interest.

** We regret to announce the death this week of Mr. George A. Banta, senior member

of the refrigerator company of that name, at Nos. 31 and 33 Tenth avenue.

** The Board of Health Meat Inspectors condemned this week 4,000 lb of poultry, 1,310 lb of veal, 4,489 lb of beef, 75 lb of game, 10 lb of liver, 1,700 lb of mutton, and 10,496 lb of pork.

IF you have anything to
BUY OR SELL
USE OUR
Little Transient Ads.

STRONG, HANDSOME, PRACTICAL.
Cash
and.....
Charge
Register
For \$15.00; the price of a
Baxter Register.
Gives results worth many
dollars. Watches money
coming in; money going
out. Gives customer an
itemized bill; a duplicate
for cashier or spindle; 3d
record retained under
lock and key.
SEND FOR CATALOGUE
Baxter Bros. & Co.
340 Dearborn St., CHICAGO
BEWARE OF INFRINGEMENTS

CERTIFICATE OF ANALYSIS. MESSRS. B. HELLER & CO., Chicago.—We have analyzed and tested your Zanzibar Carbon and have found the same to be free from any injurious substances and also to be well adapted for the purposes for which you recommend it. We therefore do not hesitate to endorse the use of same to the meat and provision trades.

Yours very truly,
THE NATIONAL PROVISIONER ANALYTICAL LABORATORY,

Official Chemists to the New York Produce Exchange.
H. E. STURKE, Ph. D. Chief Chemist.
NEW YORK, AUG. 14TH,
1896.

ZANZIBAR-CARBON
TRADE-MARK REGISTERED
.. WE .. FIGURE THIS WAY.
All we want is an opportunity to convince you that it is to your advantage to use Zanzibar Carbon, and kindly ask you to write for Sample, Catalogue and Price List. Those who have tested Zanzibar Carbon, prefer it to all other coloring matter. B. HELLER & CO., MANUFACTURING CHEMISTS, 249-253 S. JEFFERSON ST., CHICAGO, ILL.

Sample and 50 page book on coloring meats and sausages, FREE.

NEW YORK MARKETS.

OCEAN FREIGHTS.

OCEAN FREIGHTS.

There is nothing new to report. Market conditions are practically unchanged. Room is yet scarce, and it is doubtful if better terms can be made with the various lines prior to the advent of the new year, other than those which now prevail. Lard is quoted at 25s. to 30s. per ton, tierces, and 27s. to 33s. for small packages, to Liverpool. Bacon and tallow rates are unchanged, although the report was current during midweek that prices were weakening. Considerable inquiry is making for cotton oil shipments, which are quoted at 4s. 6d. to Marseilles, and 5s. to Liverpool, per barrel. Canned meats range from 25s. to 30s. for United Kingdom and Continental ports.

LIVE CATTLE.

The receipts of live cattle at the local yards was a trifle heavier than the week previous. Trade opened more active for all grades of steers, with a gain of about 10c. per hundred-weight, which was held throughout. Rough butcher stock went a trifle lower, owing to a heavier supply than of late. The quality of the steers offered was of a medium to good quality, and mostly nearby natives. Exporters took quite a few cattle for shipment alive. A year ago good to prime native cattle sold in this market at \$4.45@\$4.80 per cwt. We quote:

Good to choice Native Steers.....	4 40 a 4 80
Poor to medium " "	3 40 a 4 20
Texans and rangers	2 65 a 3 95
Cows and Bulls.....	1 15 a 2 90
Oxen and Stags.....	2 40 a 4 05

Latest cables quote American steers selling in England at 10½@11c.; dressed weight American sheep firm at 86/9½c.; dressed weight refrigerated beef, 7½@8½c.

Shipments of live stock and dressed beef from the United States and Canada for the week ending Oct. 31, 1896, was as follows:

Live Cattle	Live Sheep	Quarters Beef
New York.....	1,996	1,000
Boston.....	2,509	1,096
Baltimore.....	1,678	.....
Philadelphia.....	.....	1,092
Montreal.....	5,023	3,568
Newport News....	552	.....
	11,658	5,664
		19,913

Destination of shipments:

Live Cattle	Live Sheep	Quarters Beef
London.....	4,231	1,474
Liverpool.....	5,591	3,180
Glasgow.....	1,037	728
Southampton...	.....	1,720
Hull.....	132	.....
Bristol.....	301	.....
Havre.....	199	900
Newcastle.....	167	140
	11,658	5,664
		19,913

LIVE HOGS.

The market was quoted firm all week on all grade of hogs, while pigs show a small gain over the previous week. Local slaughterers were lighter than usual in their shipments received from Western points, purchased for their account, and claim they cost about last week's figures. We quote:

Hogs, heavy.....	3 50 a 3 75
Hogs, light to medium	3 80 a 4 15
Pigs.....	4 20 a 4 65
Roughs.....	3 10 a 3 35

LIVE CALVES.

There was an improvement in prices on all grades of calves at the opening, and on each succeeding market day, the receipts being light, buyers were anxious for stock, which helped to sustain former figures, and in some instances an advance was noticeable. Western calves found a more ready sale than for some time past. Grassers were wanted, and was sold clean up on each market. State veals, as a rule, were too heavy to suit the trade. We quote:

Good to prime veals.....	6 75 a 7 50
Poor to medium veals.....	4 00 a 6 20
Grassers.....	2 70 a 3 15
Westerns.....	3 65 a 4 15
Fed Calves.....	3 25 a 4 40

LIVE SHEEP AND LAMBS.

Trade opened fairly active on both sheep and lambs, and the receipts were only moderate. As the week advanced the demand increased, which enabled salesmen to advance prices a trifle, which held until near the close, when a dull trading weakened the market. The most gain was to be noted on lambs. We quote:

Good to choice lambs.....	4 75 a 5 12½
Poor to medium lambs.....	4 00 a 4 60
Good to choice sheep.....	3 20 a 3 75
Common to medium sheep.....	2 10 a 3 05

DRESSED BEEF.

A quiet trading all week, with but slight changes in prices. There was a better class of Colorados offered than heretofore, and these sold readily at fair prices. Light cattle was in small supply, and they were easier disposed of than for some time back, although prices do not show very much improvement. Natives held steady on all choice grades, while all others ruled weaker. We quote:

Choice Native, heavy.....	7½ a 7¾
" light.....	7 a 7¾
Common to fair Native.....	.6 a 6½
Choice Western, heavy.....	7 a
" light.....	.6 a 6½
Good to prime Texan.....	5½ a 6
Common to fair Texan.....	4 ½ a 5 ½
Good to choice Heifers.....	5½ a 6
Common to fair Heifers.....	4 ½ a 5
Choice Cows.....	5 a 5½
Common to fair Cows.....	3½ a 4 ½
Good to choice Oxen and Stags.....	5 a 6½
Common to fair Oxen and Stags.....	4 a 5
Choice Bulls.....	4 a
Common Bulls and Cows for Bologna.....	2 a 3½

DRESSED CALVES.

Very little interest was taken in the dressed veal market until near the close, when a reaction set in and stock moved out more freely. Prices held firmer on veals and grassers, while heavy Westerns ruled about nominal. Everything was sold out at the close. We quote:

Good to choice veals.....	9 ½ a 11 ½
Common to medium Veals.....	7 a 8½
Westerns, heavy.....	4 ½ a 6
" light and medium.....	8 ½ a 10
Grassers.....	4 ½ a 5 ½
Country Dressed.....	6 a 10%

DRESSED HOGS.

The week has been a slow one for traders, as nobody seemed to want any stock. Quite a few hogs and pigs that arrived from the West had to be moved quickly, as the weather interfered with the sale of the same. Roughs have been selling a trifle better than of late. We quote:

Hogs, 180 and over.....	4 40 a 4 75
Hogs, 140 and over.....	4 ½ a 5
Hogs, 120 and over.....	5 a 5½
Pigs, light.....	5½ a 6
Pigs, medium.....	5 a 5½
Roughs.....	3 ½ a 3½

DRESSED SHEEP AND LAMBS.

The trading opened steady, and continued so until about Thursday, when it was discovered that the receipts were rather short, both of sheep and lambs, either local or Western dressed. Prices ruled firmer, and at the close everything was cleaned up. The stock was about evenly divided between sheep and lambs. More heavy sheep are arriving than lately, and they are hard sellers. We quote:

Good to choice lambs.....	7½ a 8½
Common to medium lambs.....	6 a 7
Good to prime sheep.....	5½ a 6½
Common to medium.....	4 a 5

LIVE POULTRY.

An advancing market was the rule all week on most live poultry, owing to receipts being light. Chickens were scarce at all times. Turkeys are arriving more freely. Roosters about steady. Ducks selling slow, but prices nominal. Geese plenty, and, if anything, a shade lower. We quote:

Fowls, Local, per lb.....	a 10½
Western, per lb.....	10 a 10½
" Southern, "	a 8½
Chickens, local, per lb.....	a 10½
" Western, "	8 ½ a 9
" Southern, "	a 8
Roosters, old, per lb.....	a 6

Turkeys, mixed.....	8 a 10
Ducks, Western, per pair.....	60 a 70
" Southern, per pair.....	50 a 60
Geese, Western, per pair.....	1 25 a 1 25
" Southern, "	1 00 a 1 25

DRESSED POULTRY.

The market has been rather irregular all week, the warm weather in the early part also the holiday, interfered considerably with the trading. The proportion of choice stock was rather limited, and such grades sold actively, while all others had to be forced out at low figures. Fowls and chickens in liberal supply, also spring turkeys. Ducks held firm, owing to light receipts. Geese ruled steady. Squabs are held at firm prices. We quote:

Turkeys, young, av. best, as they run.....	9 ½ a 11
" culs.....	5 a 7
" old, mixed weights, per lb.....	10 a 11
Chickens, Philadelphia, selected.....	34 a 15
" common to good.....	9 a 12
" Western, d. p., fancy.....	9 a 9½
" " " av. prime.....	8 a 8½
" " " common.....	5 a 7
" " " scalped, choice large	9 a 9½
" " " " av. prime.....	8 a 8½
" " " poor to fair.....	7 a 7½

Fowls, Western, dry-picked, choice.....	a 8½
" scalped, av. prime.....	7½ a 8
" poor to fair.....	6 a 7
Old Cocks, Western, per lb.....	a 6

Spring Ducks, Eastern and Long Island, lb.....	13½ a 14
" Western, mixed, per lb.....	10 a 11

Old Ducks, Western.....	7 a 9
Spring Geese, Eastern, per lb.....	13 a 15

Squabs, choice, large, white, per doz.....	1 75 a 2 25
" poor to good, per doz.....	1 25 a 1 50

GAME.

Choice quality of game that arrives in good condition was easily disposed of during the week, but most of the stock is common and only in fair condition. Quail is running a little scarce, also grouse. Partridge closes about steady. Wild ducks are being taken at firm prices. Venison was more plentiful and a shade easier. We quote:

Quail, choice, per doz.....	2 00 a 2 25
" small, "	1 60 a 1 60
Partridges, near-by, per pair.....	85 a 95
" Western, undrawn, prime, pair.....	a 75
" " prime, drawn.....	a 50

Grouse, Western, prime, per pair.....	1 00 a 1 15
Woodcock, fair to choice, per pair.....	75 a 100

Wild Ducks, canvas, per pair.....	2 50 a 3 00
" readheads, per pair.....	1 50 a 2 00

" mallard, per pair.....	50 a 80
" blue wing, teal, per pair.....	a 40

" green wing, teal, per pair.....	25 a 30
" common, per pair.....	20 a 25

Rabbits, per pair.....	20 a 30
Venison, short saddles, per lb.....	20 a 22

" long, "	16 a 18
" whole deer, "	10 a 12

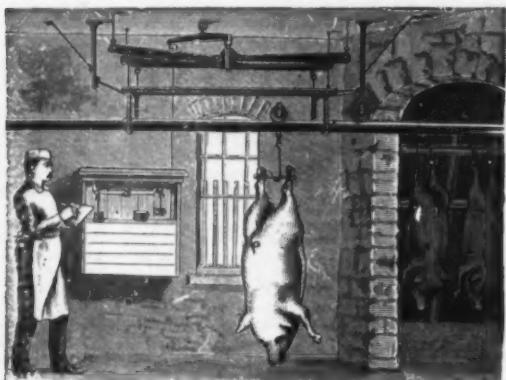
GREEN CALF SKINS.

Owing to the increased demand for skins and the scarcity thereof, the price of green skins took a jump, the following schedule (to butchers) going into effect last Monday:

Veal Skins, No. 1.....	13
Veal Skins, No. 2.....	11

Buttermilks, No. 1.....	11
Buttermilks, No. 2.....	9

Kips, No. 1, Heavy.....	1.90
K	



CAN YOU AFFORD TO TAKE CHANCES?

IF YOU ARE IN THE MARKET FOR SCALES,
WRITE TO US,

ONLY ONE GRADE
STRICTLY FIRST-CLASS.

Adopted by United States Government.

HIGH GRADE SCALES OF EVERY DESCRIPTION.

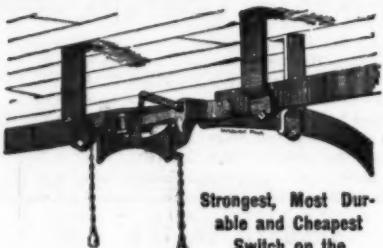
PERFECT SATISFACTION GUARANTEED.

Send for Price List. Free on Application.

BUFFALO SCALE COMPANY, Buffalo, N. Y. HEADQUARTERS FOR TRACKING.

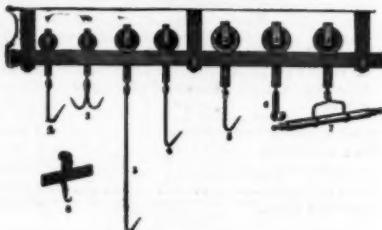


Get our Prices
on Clamp Bolt
Hangers,
280,000 in use.



Strongest, Most Durable and Cheapest
Switch on the
Market.

8,000 SWITCHES USED BY LEADING PACKERS.



400,000 MOYER'S ROLLERS IN USE.

SEND FOR PRICES.
WE CANNOT BE UNDERSOLD.

J. W. MOYER, 2217 NORTH 11th STREET,
PHILADELPHIA, PA.



CALLERINE

For the Preservation of all kinds of Food Products, Milk, Cream and Butter. Fish, Flesh or Fowl, Fruits and Vegetables without the use of ice or any other preservative.

CALLERINE
WILL PRESERVE MEATS OF ALL KINDS.

WE GUARANTEE

CALLERINE to be entirely free from Salicylic, Boracic or Benzoic Acid, Coal Tar Products or any Salt or Compound of the same.

Certificate of Analysis.

New York, July 1, 1896.

THE CALLERINE MANUFACTURING CO.

612 Arch Street, Philadelphia, Pa.

Dear Sirs:—We have analyzed and tested the preserving fluid called "CALLERINE," and have found the same to be an excellent and effective preservative for food of all kinds and to be free from harmful ingredients, and we therefore gladly endorse the use of same.

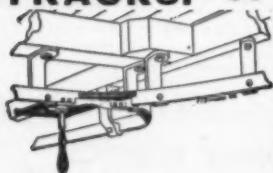
Respectfully,

THE NATIONAL PROVISIONER ANALYTICAL LABORATORY.
H. E. Stilleke, Ph.D., Chief Chemist.

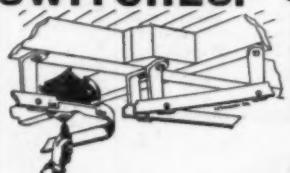
THE CALLERINE MANUFACTURING COMPANY,
612 ARCH STREET, PHILADELPHIA.

BRANCH OFFICES,
THE BEAUMONT CO., 125 HUDSON STREET, NEW YORK.
I. L. NEWMAN, 6 S. HOWARD STREET, BALTIMORE, MD.
CALLERINE MFG. CO., 34 W. Chestnut St., Lancaster, Pa.

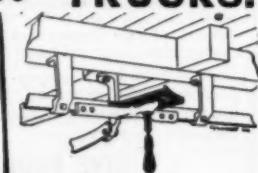
TRACKS. ~ SWIFTS. ~ TRUCKS.



SWIFTS.



TRUCKS.



CORRESPONDENCE SOLICITED.
REFER TO ALL FORMER CUSTOMERS.

J. DUNCAN & CO., 94 Blackstone St., Boston, Mass.

Rope = If you want any
Rope For Transmission of Power
WRITE TO US.

We have furnished Rope for
some of the largest Drives
in the country.

H. CHANNON
COMPANY,
24-26 Market St., CHICAGO.

THEODORE FISHER

3324-3326 South Halsted Street,
CHICAGO, ILL.

Brass and Copper Founder
COPPER BURNING BRANDS FOR
PACKERS' USE A
SPECIALTY.

Send your pattern and I will send sample of work
free of charge, with estimate.

Fine Material and Workmanship Guaranteed.

JOSEPH LISTER,
Manufacturer of
GLUE,
DEALER IN PORK AND BEEF CRACKLINGS.
1158-1160 Elston Ave., CHICAGO.

MANN'S PATENT SANITARY GARBAGE PAELS.

Patent sanitary garbage pails are among the latest specialties which the enterprising Chicago firm of Mann Bros. is pushing. The pails are the Messrs. Mann's pail distinctive, and the manner in which they are being indorsed by users is evidence of this efficiency. These pails are made of wood with the firm's patent cable hoops, that cannot come off. They are treated with a preparation that is a wood preservative and a disinfectant containing carbolic acid. The pores of the wood being thoroughly filled, they will not absorb moisture or take up any odor from the garbage, nor will the garbage adhere to it. Rinsing the pail with water cleans it. They are superior to metal, as the acid from the garbage eats the galvanizing on metal cans and they soon rust. They are not so heavy to handle. Though cheaper in price than metal, they are much more durable. If left outside the rate will not touch the contents. In order to thoroughly test the pails they have had them in use for six months before putting on the market, and can substantiate every claim made. Once tried you will use no other. When you buy pails or washtubs, give this firm's cable ware a trial. Manufactured only by them. Their address is No. 6 Wabash avenue.***

ROTTERDAM OLEO REPORT.

The following sales were cabled for week ending November 7, 1896:

Oct. 27. Morris Extra (100/150 tcs.) sold at 48 florins.
" 27. Eastman Extra (100/150 tcs.) sold at 48 florins.
" 27. Brilliant Extra sold at 46 florins.

Nov. 5: Modoc sold 43 florins.

" 6. Harrison sold at 45 florins.

" 6. Monarch sold at 41 florins.

LATER.—Additional sales up to Nov. 7 were: Gotham Extra, 38 florins; Monarch, 37 florins; Midland, 37 florins.

C. J. GARDNER,
LITTLE MONITOR
BEEF REFRIGERATOR
AND WHOLESALE DEALER IN
Beefes, Sheep, Lambs, Calves,
TALLOW, HIDES, FERTILIZER &
SLAUGHTER-HOUSE PRODUCTS.
INDIANAPOLIS, IND.

"BIG FOUR"
THREE GREAT TRAINS.

"KNICKERBOCKER SPECIAL."
BETWEEN ST. LOUIS, INDIANAPOLIS,
CLEVELAND, NEW YORK AND BOSTON.

"SOUTHWESTERN LIMITED."
BETWEEN CINCINNATI, COLUMBUS,
CLEVELAND, NEW YORK AND BOSTON.

"WHITE CITY SPECIAL."
BETWEEN CINCINNATI, INDIANAPOLIS
AND CHICAGO.

E. O. MCGOWAN,
Pass. Traffic Manager.

D. B. MARTIN,
Gen. Pass. & Tkt. Agt.

Sales for the week, 1,100 tcs. spot and 600 to arrive.
Oct. 31, stock in first hands, 2,800 tcs.

Stock afloat, Oct. 31.—Per stmr. Werendam, from New York October 19, due October 30, 1,472; per stmr. Obdam, from New York October 24, due November 4, 1,924 tcs.; per stmr. Tampico, from Balto, October 24, due November 6, 665 tcs.; per stmr. Urbino, from Balto, October 31, due November 13, 375 tcs.; per stmr. Maasdam from New York, October 33, due November 12, 1,356 tcs.; per stmr. Amsterdam from New York, October 31, due November 14, 852 tcs. Total, 6,844 tcs.

Oct. 31. London Cable Reports: Butter—Market dull and lower. Margarine—Market quiet and steady.

Imports into Great Britain for week ending Oct. 24, 1896: Butter, 56,913 cwt.; margarine, 22,412 cwt. 1896—butter, 51,000 cwt.; margarine, 22,000 cwt.

BALTIMORE FERTILIZER REPORT.

Since our report of the 1st ult., the activity noted has continued, current offerings of Western high grade material have been readily absorbed at advancing prices. The steady appreciation in the value of cereals, and the firmness in the price of cotton, notwithstanding the immense quantities marketed to date

have encouraged buyers to expect a largely increased demand for fertilizers this winter and next fall.

The uncertainty of the result of the election on Tuesday has either passed away from the minds of buyers or else its shadow no longer operates as a pall upon business.

A very active bidding the past few days is noted for six and twelve months' contract of 9 and 20 Tankage, and the margin between buyer and seller has narrowed to the point where large transactions are imminent.

Thirteen dollars and a half f. o. b. Chicago has been bid and declined for all contracts on the market, sellers mostly unwilling to name prices, and \$14.50 is lowest possible now. We quote:

Crushed Tankage, f.o.b. Chicago.....	9 1/2	and 15 at \$14.50
" " "	8	and 15 at 12.50
" " "	7	and 30 at 11.00
" " "	6	and 30 at 10.00

Ground Blood, f.o.b. Chicago, \$1.50 per unit.

Concentrated Tankage, f.o.b. Chicago, \$1.40 per unit.

Foreign gas liquor sulphate of ammonia declined as low as 1.97 1/2, but has since recovered and is now quoted at 2.06.

Fish is offered in small quantities, prices have advanced and sellers are firm.

**NO PORK PACKER**

Can afford to be without

**THE CHAMPION
FAT CUTTING MACHINE**

Cuts 100 lbs. per minute uniformly. Reduces Crackling Cake 6 per cent.

HAS STOOD ALL TESTS.

MADE ONLY BY

JOHN B. ADT.,
332 to 342 N. Holliday Street,
BALTIMORE, MD.

J. T. NICHOLSON & SON,
Architects and Builders.

ABATTOIRS, PACKING HOUSES,
COLD STORAGE HOUSES.

Suite 143 and 144,
185 DEARBORN STREET,
CHICAGO, ILL.

CORRESPONDENCE SOLICITED.

A few of the Houses Designed and Built by us:

Anglo-American Provision Co., Chicago.	Atchison, Kan.
" " " " " Kansas City, Kan.	Saint Paul Packing Co. (2 houses), St. Paul, Minn.
Sioux City Stock Yards Co. (2 houses).	Omaha Stock Yard Co. (2 houses).
Smith's House, Atchison, Kan.	Union Stock Yards Co., St. Joseph, Miss.
Tremont Stock Yards Co., Tremont, Neb.	Clairemont Abattoir Co., Baltimore.
Indianapolis Abattoir Co., Indianapolis, Ind.	Pittsburg & Allegheny Abattoir Co., Pittsburg, Pa.
Rodeo Stock Yards Co., San Francisco, Cal. (2 houses).	St. Louis Union Abattoir, St. Louis, Mo.
Eickel & Well P'k'g and Prov. Co., Evansville, Ind.	

J. G. GLOVER, Architect.

Refrigerated Buildings
A SPECIALTY.

PLANS AND
SPECIFICATIONS

Furnished in shape to obtain competitive bids, thus saving time and money.

Correspondence Invited.

NEW JERSEY FOUNDRY & MACHINE CO.
Overhead Trackage System
Refrigerators, Etc.

TELEPHONE
1272 CORTLANDT.

26 Cortlandt Street,
NEW YORK.

NOW AND FOR 19 YEARS THE BEST!

THE ONLY REAL PRESERVATIVE FOR MEATS OF ALL KINDS.

Prevents Fermentation
and Souring of Meats.
Prevents Skippers,
Slime and Mould.
Prevents the Dangerous
Fungus in Meats.
Gives the Meat a
Uniform Cherry-red Color.

ESTABLISHED
1877.

ESTABLISHED
1877.



Prevents Rapid
Shrinkage in Meats.
Retains Moisture in Sausage.
Prevents Green Spots
or Meat Turning Gray.
Retains the Juice in Meat
and Keeps it Tender.

THREE DIFFERENT KINDS MADE FOR MEATS:

"A" PRESERVALINE, for Pork and Liver Sausages, Sausage Meat, Chopped Meat, White Puddings, Tenderloins, Fresh Meats, Poultry, Game, Birds, etc.

"B" PRESERVALINE, for Bolognas, Frankfurters, Summer and all kinds of Smoked Sausages.

"C" PRESERVALINE, for Curing and Preserving Hams, Shoulders, Pork, Bacon, Tongues, Beef of all kinds and Dry Salted Meats, and for Protecting Smoked, Dry Salted and Fresh Meats against Flies and Skippers.

FULL DIRECTIONS IN EACH PACKAGE.

MADE ONLY BY
THE SOLE PROPRIETORS
OF PRESERVALINE,

THE PRESERVALINE MANUFACTURING CO.

12 Cedar Street, New York.



*The Boar's Head Picture is on every Package of
the Genuine Preservaline. TAKE NO OTHER.*

183 Illinois Street, Chicago.

154 New Montgomery Street, San Francisco, Cal.

Cripple Creek Gold.

WE ADVISE THE IMMEDIATE PURCHASE OF THE FOLLOWING STOCKS,
FOR EITHER A SPECULATION OR INVESTMENT:

INDEPENDENCE EXTENSION

Just south and within 300 feet of the world-famous Independence mine. Now selling at 10c.

BULL HILL GOLD TUNNEL CO.

A tunnel site through Bull Hill, running under many shipping mines, at 3c. per share.

THE MUTUAL BENEFIT MINING & LEASING CO.

Has a three years' lease on the Oldest Tunnel Site in Cripple Creek, containing 100 acres, between the Anchoria Leland and C. O. D. mines, also the Lelia mine containing 10 acres. 700,000 shares out of 1,100,000 still in the treasury. \$7,000 plant of machinery, etc. This stock is now selling at 3c.

WRITE OR WIRE US FOR FURTHER INFORMATION.

**THE MECHEM INVESTMENT COMPANY,
COLORADO SPRINGS, COL.**

The Fertilizer Market.

Ammunites evince an upward tendency, but general market conditions are unchanged. Consumers are slow to conform to the views of packers, but with the general improvement in trade, a corresponding advance in the various articles will shortly prevail. A feature of the hour consists in the evident unanimity on the part of holders not to push sales, their confidence in the prospect of still higher prices being marked. For fish scrap there is a good demand. A good inquiry obtains for blood and tallow, which, considered with the circumstance that stocks are scarcely up to the average in the West, must be considered as significant from the standpoint of values.

Tankage, 9 to 9½ am.; 5 to 10 phos.	\$13.00 f.o.b.
" 9 " 18 to 20 "	13.00 "
" 10 " 12 to 12 "	13.50 "
Dried blood, per unit of ammonia	\$1.35
Concentrated tankage	\$1.27 1/2 a \$1.30
Ground bone, fine average, per ton	\$19.00 a \$21.00
Kainit, future shipment, per 2,000 lbs.	8.80 a 9.25
Kainit, ex store, in bulk	8.10 a 9.25
Keiserel, future shipments	7.25 a 7.50
Muriate potash, 80 per cent., fut. ship.	1.78 a 1.81 1/2
Muriate potash, 80 p. c. e. ship, ex store	1.80 a 1.82 1/2
Nitrate of soda, spot	1.75 a 1.77 1/2
Nitrate of soda, futures	1.80 a 1.85
Double manure salt (48a 49 per cent. less than 2½ per cent. chloride), to arrive, per lb. (basis 48 per cent.)	1.63 a 1.65 1/2
The same, spot	1.63 a 1.65 1/2
High grade manure salt (90 a 98 per cent. sulphuric potash), to arrive (basis 90 per cent.)	1.99 1/2 a 2.03
Manure salt in bulk, 36 per cent. per unit O. P.	36.4 a 38
Bone-black, spent, per ton	16.00 a 16.50
Ammonia superphosphate, high grade	25.00 a 26.00
Sulphate ammonia, for gas, per 100 lbs.	2.15 a 2.20
Sulphate ammonia, for bone, per 100 lbs.	2.10 a 2.15
South Carolina phosphate rock, ground, per 2,000 lbs.	5.00 a 5.25

South Carolina phosphate rock, undried,
f. o. b. Ashley River, per 2,240 lbs. 3 00 a
The same, dried. 3 25 a 3 40

THE GLUE MARKET.

The demand is already greatly increased, and there is a strong buying movement in both high and low grades. Glue stock is scarce and advancing, and some varieties are already running short for that reason. Foreign makes are about on a parity in price with this market. We quote:

A Extra, white	22c
1 Extra	18c
1 X "	16c
1 1/2 Hide, brown	13 1/2 c
1 1/2 " "	13c
1 1/2 Bone	12c
1 1/2 " "	10c
1 1/2 " "	9c
2 "	8c
	7c

CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2½ for 60 per cent.; 77 per cent. caustic soda, 2.25 for 60 per cent.; 80 per cent. caustic soda, 2.40 lb.; 98 per cent. powdered caustic soda, 4c. lb; sal soda, 70c. per 100 lb; carb. of potash, 5½c. lb; caustic potash in drums, 600 lb, 5½c.; small drums, 6¾c.; borax, 6¼c. lb; talc, 1¼c. lb; Cochinchina oil, 6½@6½c. lb; Ceylon cocoanut oil, 5½@6c. lb; palm oil, 5c. lb in casks; yellow olive oil, 55c. gal.; green olive oil, 50c. gal.; green olive oil foots, 4½c. lb; cottonseed oil, 27½c. gallon; cottonseed soap stock, 1½c. lb; rosin, \$2.25 to \$3 per 280 lb.

SAUSAGE CASINGS.

Sheep, English, wide per kg.	32 00
" " per ½ kg.	17 00
" medium, per kg.	25 00
" Australian, per lb.	30 a 40
" New Zealand, wide	30 a 40
" domestic, per kg.	20 00
Hog, American, tcs, per lb.	14
" bbis, per lb.	14
" ½ bbis, per lb.	15
" kegs, per lb.	16
Beef guts, rounds, per set.	15
" " per lb.	3 a 4
" bungs, per piece.	a 7
" " per lb.	5 a 6
" middles per set.	40
" " per lb.	7 a 8
" weasands, per 1,000	4 1/4 c. per 100

HARRY ROBE, ASSOCIATED.

B. C. SHEPARD,

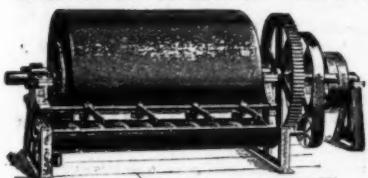
Commission Buyer of

CATTLE, HOGS AND SHEEP.

N. Y. Central Stock Yards,
EAST BUFFALO, N. Y.

Office, Room 13,
Five Cent Exchange Building.

W.M. R. PERRIN & CO. CHICAGO.



COOLING CYLINDERS

\$200.00 AND UP.

Send for our Catalogue.

THE CONTINENTAL HOTEL
IS THE ONLY FIRST CLASS HOTEL IN THE IMMEDIATE BUSINESS
AND AMUSEMENT CENTER OF THE CITY CONDUCTED ON THE
AMERICAN PLAN AT \$2.00 PER DAY
STEAM HEAT, PASSENGER ELEVATOR
AND OTHER MODERN CONVENiences.

TABLE AND SERVICE THE BEST

ROOMS NEWLY AND NEATLY FURNISHED. THE NEXT TIME YOU ARE IN CHICAGO TRY THE CONTINENTAL, YOU WILL FIND IT HOMELIKE AND COMFORTABLE.

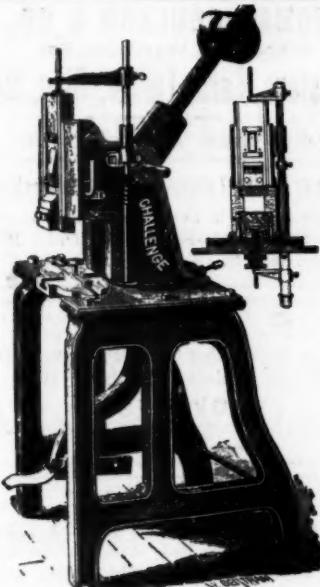
CHAS. O. BLOOM

PROPRIETOR



WABASH AVENUE AND MADISON STREET.

CHICAGO, ILL.



PATENT CHALLENGE SOAP PRESS.

HAVE YOU EVER SEEN the Crossy-Patent Challenge Soap Press?

Do you know that they have many points of superiority over other presses?

Do you know that it is the most economical Press to buy and use?

Do you know that 25% more and better work can be done with it than on any other foot press in existence?

Do you know where to buy the finest finished Soap Dies?

Do you know where to buy the Patent Self-Adjusting Dies?

Do you know where to buy the best finished and long lasting Printing Plates?

If you are not familiar with the above facts and want to purchase the best goods possible, write to

G. A. CROSBY & CO.
CHICAGO, ILL., U.S.A.

A TWO-CENT MISTAKE



don't amount to much in any business, but the sticking point is that a clerk is just as liable to make a mistake of \$2.00 as he is of two cents, and a few mistakes like this would pay for enough of Allison's Coupon Books to last a year or more. With these books mistakes are impossible.

When A Man Wants Credit

for \$10.00 give him a \$10.00 Allison Coupon Book, charge him with this amount and there you are. No trouble at all. If he buys a plug of tobacco for ten cents, tear off a ten-cent coupon—that's all, and so on for all his purchases up to the limit of the book. NO PASS BOOK, NO CHARGING, NO TIME LOST, NO DISPUTES, NO ERRORS. There are other Coupon Books, of course, but why not have the best—Allison's. Let us send you a cancelled sample free. For sale by the jobbing trade or by

ALLISON COUPON COMPANY, Indianapolis, Ind.

BROKERS AND COMMISSION MERCHANTS.

**Jacob Leeser,
Provision Broker,
429 Produce Exchange,
NEW YORK.**

ESTABLISHED 30 YEARS.

**THOMAS GOURLARD & CO.,
Inspectors, Weighers, Etc.
Provisions, Lard, Tallow, Oleo, Oils,
Etc.—
NEW YORK AND CHICAGO.**

THE PACKERS' HAND BOOK.

Is indispensable in every progressive packing house. See particulars, page 47. Order Blank for same, page 27.

P. G. GRAY,
Broker in Packing House Products, Oils,
Grease, Tallow, Fertilizers, etc.,
PROVISIONS.
45 North Market St., Boston, Mass., U.S.A.
Correspondence Solicited.

**H. C. ZAUN,
Provision Broker,
Room 409 Produce Exchange,
NEW YORK.**

I do a strictly Brokerage business, neither buy nor sell for my own account. Reference, the Provision Trade of New York generally.

**DICKMAN & MACKENZIE,
Analytical Chemists,
1224-1228 Rookery Bldg., CHICAGO.**
General Analysis of Fertilizers and
Packing House Products.
Telephone, HARRISON 198. ASSAY OFFICE.

**W. Wilson Tickle,
COMMISSION MERCHANT,
166 and 167 Palmerston Buildings, LONDON, E.C.**
(Proprietor of THE AUSTRALIAN TRADING WORLD)
Will undertake any Commissions for the purchase
of English goods.
Samples of Cutlery, etc. furnished by parcel post
on receipt of remittance to cover cost.
Orders must be accompanied with cash or its equiv-
alent.

**DAVID C. LINK,
General Commission
AND
Export Broker.**

411 PRODUCE EXCHANGE
NEW YORK.

OLEO STEARINE A SPECIALTY.

**ROBERT L. WENDLER,
BROKERAGE AND COMMISSION,
Fertilizing Material, Tallow, Grease,
AND PACKING HOUSE PRODUCTS GENERALLY.**

72 BOARD OF TRADE,
CHICAGO, ILL.

**RICHARD MCCARTNEY,
BROKER, Packer Hides,
Stearine, Tallow, Sheepskins, Cottonseed Oil,
Fertilizing Materials, Bones, etc.**

Correspondence solicited.
Information cheerfully given. Kansas City, Mo.

REJECTIONS.

J. D. W. CLAUSSSEN,

Handler of Rejected Meats.

CONSIGNMENTS SOLICITED.

Prompt Returns and
Satisfaction Guaranteed.
Best of Reference Given on Application.

27 Market St., CHARLESTON, S. C.

RESERVED FOR

**Chas. Roesch & Sons,
SLAUGHTERERS,
PACKERS and
• • • PROVISIONERS.**

834, 836 & 838 North Second St.,

PHILADELPHIA, PA.

ESTABLISHED 1831.

FOSTER DEBEVOISE,

(Successor to WM. E. CLARK & BRO.)



164-166 Elizabeth Street, New York.

(TELEPHONE 292 SPRING.)

Provisions, Cooperage, Etc.
CONSIGNMENTS SOLICITED.

GEORGE W. PRICE
has commenced this season's manufacture of
Hill's Celebrated Trenton Sausage.

PRICE'S PREPARED HAM, SAUSAGE,
BOLOGNA, FRANKFURTS, SCHAPPEL
AND BREAKFAST BACON.
THIS SEASON'S FRESH PORK, SUGAR-
CURED HAMS, BEEF TONGUES, BONE-
LESS HAM, DRIED BEEF, LIVER
PUDDINGS.

I am prepared to fill all orders promptly. No
advertisements used in any of our products. Patron-
age solicited.

GEO. W. PRICE,
Stalls 43 & 44, City Market, TRENTON, N.J.
Factory, 22 & 28 Chambers Street.

H. SCHEIDEBERG,
(Established 1873)

Manufacturer of and Dealer in all kinds of

SAUSAGE CASINGS AND DIRECT IMPORTER OF
English Sheep Casings

Best Sausage Casings of Every Description.

624 W. 48th St., NEW YORK.

SOL SAYLES,
HOTEL and STEAMSHIP SUPPLIES
Sixth Avenue and Tenth Street,

Telephone, 18th St. 139. . . . NEW YORK

FINE BURLAPS FOR COVERING
HAMS AND BACON
PRESS CLOTH FOR PRESSING
TANKAGE, BLOOD, ETC.
BURLAP BAGS and ALL GRADES BURLAPS.
MANUFACTURED AND IMPORTED BY

W. J. JOHNSTON, 182 Jackson St., CHICAGO.

WANTED

100,000

PACKERS, BUTCHERS, SLAUGH-
TERERS, PROVISIONERS, LARD
REFINERS, COTTON OIL MILLS,
SOAP MAKERS, FERTILIZER MAN-
UFACTURERS, GLUE MAKERS,
TALLOW RENDERERS, HIDE AND
SKIN DEALERS, Etc., Etc.,
To Subscribe for

THE NATIONAL PROVISIONER,

The only paper in existence covering
those trades.

SUBSCRIPTION \$4.00 A YEAR.

ECONOMY.
EQUITY.
SECURITY
○○○○○○○○

AMERICAN UNION LIFE INSURANCE COMPANY.

Paid-up Cash Capital, \$500,000,
January 1, 1896.

\$488 ASSETS to each \$100 LIABILITIES
○○○○○○○

UNEXCELLED FEATURES:

Incontestable after one year.
Non-forfeitable after three years.

Paid-up or Extended Insurance provided in case of failure to pay premiums.

Annual Dividends.
Life and Endowment Policies: **Loans up to 75% of Reserve.** One month's grace allowed for payment of premiums.

Lowest Premiums.

Has written more insurance and has more insurance in force than any other Company in a like period of its existence.

Issues Renewable Term, Ordinary Life, Limited Payments, Endowment, Partnership or Joint Life, and Trust Fund Policies.

Energetic and Reliable Agents Wanted. Men of ability can secure liberal contracts.

For particulars send to Franklin Trust Bldg., Cor. Montague and Clinton Sts.

ETTINGER & FREED, Managers,
BROOKLYN, N. Y.

CHICAGO MARKETS.

LARDS.

Prime Steam.....	4½
Neutral.....	7
Compound.....	4½

STEARINES.

Oleo-stearines.....	5½
---------------------	----

OILS.

Lard oil, Extra.....	35
" No. 1.....	30
" No. 2.....	26
Oleo oil, "Extra".....	8
Neatsfoot Oil, Pure.....	50
" Extra.....	38
" No. 1.....	33

TALLOWS.

Tallow Oil.....	32
Packers' Prime.....	3½ a 4
No. 2.....	3½
Edible Tallow.....	4
Demand for tallow good.	

GREASES.

Brown.....	2½
Yellow.....	2½ a 3
White.....	3½
Bone.....	3½

BUTCHERS' FAT.

Rough shop fat.....	¾
Inferior or black fat.....	¾
Suet.....	1½
Shop Bones, per 100 lbs.....	15

COTTONSEED OIL.

P. S. Y., in tanks.....	23
Crude, "	20
Butter oil, barrels.....	38

FERTILIZER MARKET.

Dried blood, 16 to 17 units.....	1.32½ Chgo. f. o. b.
Hoof meal, per unit.....	1.27½ "
Concent. tankage, 14 to 15 p. c. p. unit.	1.32½ "
Unground tankage, 10 to 11 p. c. per ton.	13.00 "
Unground tankage, 9 & 20 p. c. per ton.	11.50 "
Unground tankage, 8 & 20 p. c. per ton.	10.00 "
Unground tankage, 7 & 30 p. c. per ton.	9.50 "
Unground tankage, 6 & 35 p. c. per ton.	10.00 "
Bone meal, per ton.....	18.50 "
Bones, rough, "packers".....	17.00 "
Steamed bone meal per ton.....	16.00 "
Ground tankage, \$1 per ton extra.	

HORNS, HOOFs AND BONES.

Horns No. 1.....	\$170 per ton 65-70 lbs. average
Hoofs	\$20.00 per ton
Bound Shin Bones.....	\$47.00 "
Flat Shin Bones.....	\$37.50 "
Thigh Bones.....	\$90 per ton, 90-100 lbs. average

BUTCHERS' SUNDRIES.

Pork loins.....	6 a 6½
Pocket Pieces.....	4
Tenderloins.....	8½ a 9½
Spare ribs.....	3½ a 4
Trimming.....	3½ a 3½
Ham Trimmings.....	3½ a 3½
Shoulder butts.....	4½ a 4½
Hocks	3
Tail Bones.....	2½
Pig's Tails	1½
Snouts.....	2
Cheek Meat.....	1 ½
Skinned Shoulders.....	4
Dry Salt Spare Ribs.....	2

CHICAGO LIVE STOCK.

Cattle. Calves. Hogs. Sheep.	
Receipts.....	226,251 7,146 777,922 378,300
Ship'ts.....	71,233 585 149,514 94,032
Receipts.....	309,051 12,032 859,941 393,820
Ship'ts.....	93,876 1,608 205,889 93,366
Receipts.....	313,386 17,192 629,879 372,263
Ship'ts.....	97,319 1,881 196,521 72,468

Average weight of hogs month of October, 1896, 242 lbs.; month of October, 1896, 230 lbs.; month of October, 1894, 232 lbs.

PROPER TESTING OF CAKE AND MEAL FOR OIL PERCENTAGE FULLY TREATED. SIGN ORDER BLANK ON PAGE 19.

P. DONAHUE & SON,

Highest Prices Paid for

HIDES, FAT AND SKINS,
658 W. 39th St., New York.

HIGHEST PRICES

FOR

Hides, Horsehides,
Calf Skins,
Tallow, &c.
Sheep and Lamb Skins,
Pelts.

JOSEPH HABERMAN

623 to 627 West 40th St.,
NEW YORK CITY.

REFERENCES:

The Bowery Bank of New York,
,, The National Provisioner."

JACOB LEVY

PAYS THE HIGHEST PRICES FOR
Fat, Suet, Calfskins, Hides, Plates & Bones,

799 First Ave., New York City.

76 KENT STREET, 16 NO. WEST ST.,
Greenpoint, L. I. Mount Vernon.

Wagon calls to all parts of the city, Brooklyn, Westchester Co., and Yonkers.

HERMAN BRAND,

Dealer in

Fat, Calfskins, Suet and Bones,
413 East 51st St., New York.

Wagons visit all parts of the city.

CHARLES CROLL,

DEALER IN

FAT AND CALFSKINS,

Also Plate, Naval and Prime Beef.

548 W. 40th St. (Bet. 10th & 11th Aves.) NEW YORK.

SEE COUPON ON PAGE 27.

WHAT'S THE MARKET

ON . . .

HIDES

SEND for free copy of our
paper. Market Reports
each week from Chicago
and all leading markets.

Pays to keep posted.

PELTS

TALLOW

GREASE

Hide and Leather,

154 LAKE STREET, CHICAGO.

November 7, 1896.

SOMEBODY IS USING THEM!



THE FACE VALUE
OF THE MONTHLY
OUTPUT OF THE

FORBES INDEXED COUPON BOOKS

... IS NEARLY \$1,000,000

HAVE YOU TRIED THEM? Our "Number 1" Book is better than any other made, but our "Number 2" excels it. Has index, cannot be tampered with, name on face of each coupon either from type or your

ENGRAVED SIGNATURE. Engraved signatures last a life time and cost is small. Books made in all ALL SIZES and DELIVERED FREE. Pamphlet telling you all about them and sample books for the asking. Let us send them to you.

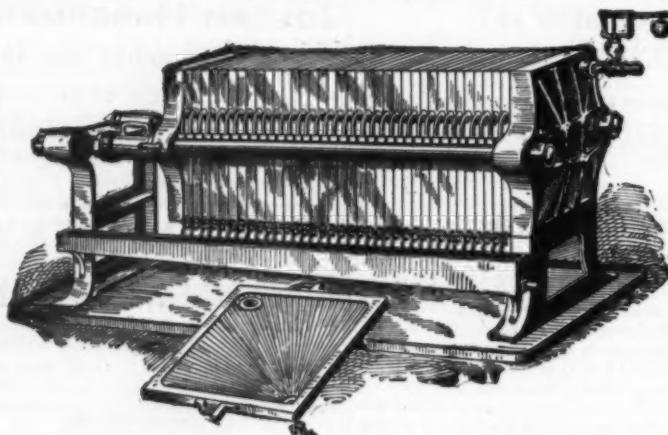
J. P. FORBES, FORBES BUILDING,
COSHOCOTON, OHIO.

We make Books for Ice Dealers, Hotels, Grocers, Restaurants, Soda Water, Telephone Co's, etc.

SPERRY'S NEW FILTER PRESS

HAS MANY POINTS OF EXCELLENCE OVER OTHER PRESSES OF THIS FORM.

THE LATEST AND BEST.



THE LATEST AND BEST.

D. R. SPERRY & CO.

BATAVIA, ILL.

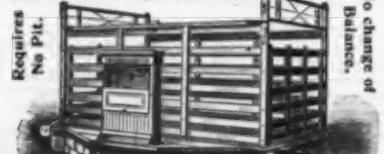
SEND FOR FULL INFORMATION.

SEE COUPON ON PAGE 27.

16 oz. to 1 lb.
U. S. Standard

Gold, Silver or Currency bags the best Seals made at lowest prices. Don't be humbugged by Agents of a Trust, Buy of the Manufacturers.

Steel Frame & Royal Scale Rack.



Human & self egoistics at less than Wholesale prices. viz:
Sewing Machines, Bicycles, Organs, Flutes, Cedar Mills, Bone Mills, Hair Mills, Household Goods, Household Tools, Hand Tools, Feed Mills, Flour Mills, Steamer, Lathe, Drafting Tools, Sheet Iron, Smoke Houses.

151 E. Jefferson St. CHICAGO SCALE CO., Chicago, Ill.

THIS SPACE RESERVED FOR THE

GANSEVOORT BUTCHER'S SUPPLY CO.

27 TENTH AVENUE, NEW YORK CITY

HAMBURG-AMERICAN LINE

THE ONLY LINE maintaining a regular service to the European Continent with TWIN SCREW STEAMERS. New York-Plymouth (London)-Cherbourg, (Paris)-Hamburg holding the record for fastest time on this route.

Columbia, Sept. 24, 7 a.m. Normannia, Oct. 29, 10 a.m. Aug. Victoria, Nov. 3, 7 a.m. Aug. Victoria, Oct. 1, 10 a.m. First Bismarck, Nov. 12, 10 a.m. First Bismarck, Oct. 15, 10 a.m. Normannia, Nov. 28, 10 a.m.

REGULAR SERVICE

By new Twin Screw mail steamers and other steamers.

Patria, Sept. 19, 3:30 p.m. Prussia, Sept. 26, 10 a.m. Phoenixia, Oct. 3, 2 p.m. Persia, Oct. 10, 9:30 a.m. Armenia, Oct. 17, 2:30 p.m.

Palatia, Oct. 24, 8 a.m. Patria, Oct. 31, 12 noon. Prussia, Nov. 7, 9 a.m. Phoenixia, Nov. 14, 1:30 p.m.

Armenia, Oct. 17, 2:30 p.m.

Georgia, Sept. 19, 2 p.m. Virginia, Nov. 21, 2 p.m.

Virginia, Oct. 3, 2 p.m. Venetia, Oct. 17, 2 p.m.

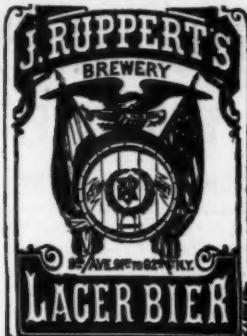
Georgia, Nov. 7, 2 p.m.

Georgia, Nov. 7, 9:30 a.m.

Georgia, Dec. 5, 2 p.m.

Georgia, Dec. 26, 2 p.m.

Georgia, Jan. 9, 9:30 p.m.

**BUTCHERS.**

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, October 31, 1896. They are a reprint of our Advance Sheet, sent out to houses on October 31, who subscribe to same.

NEW YORK CITY.

Baerfeld, Moritz, 158 Allen; to S. Kaufman.	\$40
Certino, Michael, 39 Madison; to G. Anato.	100
Deidrich, Minnie, 1666 Amsterdam Ave.; to Maria D. Deidrich.	516
Haas, Fredk., Avenue A; to E. Martschieder.	65
Hoehn & Co.; to Eastmans Co.	130
Hauff, Hy., 208 East 59th; to E. Marchieder.	164
Levy & Gruberstein, 65 Vernon Ave., L. I. City; to Eva Gruberstein.	1,000
Levin & Goldberg, 172 East 3d; to S. Levin.	100
Lies, H. & H., 1463 3d Ave.; to N. Metzger.	500
Moschovitzky, Reuben, 232 Cherry; to E. Diamond.	70
Pernolo & Nola, 2076 2d Ave.; to N. Ficania.	150
Roth, J. & L., 842 Columbus Ave.; to J. Levy.	300
Stoengler, Michael, 147th and Beach Ave.; to A. Heller.	100
Bills of Sale.	
Heim, Emil, 1432 Lexington Ave.; to H. Cohen.	600
Schulze, Paul, 1634 1st Ave.; to H. Gierisch.	250

Refrigerating Machine Paint

We guarantee this paint to preserve the cooling pipes, coils, etc. absolutely against rusting.

HIGHLY RECOMMENDED. USE IT AND SAVE BIG MONEY.

ERNECKE & SALMSTEIN,
300 South Clinton Street, Chicago.

A Five Dollar Safe IN THE PRODUCE EXCHANGE VAULTS,
NEW YORK CITY.

Will hold a large number of Deeds, Mortgages, Insurance Policies, Bonds, Stocks and other valuable papers. **INSPECTION INVITED.**

GROCERS.
The following Mortgages on Grocers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, October 31, 1896. They are a reprint of our Advance Sheet, sent out to houses on October 31, who subscribe to same.

NEW YORK CITY.

De Martico, Pasquale, 173 Mulberry; to Gaetano De Martico.	250
Giardina, Antonio, 340 East 11th; to S. Panorrello.	875
Goldfarb, P. & R., 234 Stanton; to M. Goldfarb.	50
Liquori, Eliz., 547 West 59th; to G. Cinque.	766
Poppe, Fredk., 347 West 52d; to Koenig & Schuster.	150
Stein, R. & M., 491 7th Ave.; to O. Krug.	150

Bills of Sale.

Bohlen, W. H., 102 Amsterdam Ave; J. Eggers.	1
Cohn & Seifritz (Restaurant).	1
Freda, Rosa, 35 Jerome St., Williamsbridge; to Filippo Freda.	175
Janki, Jos., 402 East 73d; to J. Liplich.	110
Kulbe, Otto, 1742 2d Ave.; to T. Borgstedt.	800
Lieberman, Abraham, 150 Forsyth; B. Kohan.	270
Liquori, Pasquale, 547 West 59th; to Eliz. Liquori.	800
Levin, A., 174 Essex; to S. Samuels.	300
Osborn, John & Co., 120 Water; to A. Godchand (Restaurant).	1,000
Rubano, Vincenzo, 410 East 112th; to F. Bello.	625
Steirman, Rachel, 150 Forsyth; Abraham Lieberman.	250
Wessler, Hy., 248 East 94th; to Mary Wessler.	650

KINGS COUNTY.

Hall, J. J., 1787 Pacific; to Eliza W. Hall.	500
Papen, Anna C., & B. H.; 118 Kingston Ave., 508 Waverly Ave.; to Alsogood, Rasch & Co.	250
Verner, C., 338 Fulton St.; to W. Armstrong.	500

NOTE.—The above information will be furnished on a special advance sheet one week ahead of this publication to all those who may desire to order it. Price, \$2.50 per year, 52 weekly sheets.

BUTCHERS OF BROOKLYN

WOULD DO WELL TO CALL AT
ELSNER & KEIL,
301 Wallabout Market,
who manufacture every kind of Provisions and Smoked Meats.
Bologna and Frankfurters a Specialty.
YOUR BUSINESS SOLICITED.

FOR NEW AND SECOND-HAND
Butchers' and Grocers' Fixtures,
SCALES AND GAS FIXTURES,
Apply to **WOLLIN BROS.,**
2200 SECOND AVENUE,
Cor. 113th Street, NEW YORK CITY.
Carpenter and Cabinet Work a Specialty.

J. DAHUTS' SONS,
Manufacturers of
ICE HOUSES & STORE FIXTURES
NEW OR SECOND-HAND.
2104-2106 Second Avenue,
Bet. 108th and 109th Sts., NEW YORK CITY.
REFRIGERATORS A SPECIALTY.

A MONEY SAVER.
THE ONLY LEAN, MILD CURED
FAMILY HAM OR SHOULDER.



Has Surplus Fat Removed. Can be put up with Bone or Boneless.

STATE RIGHTS FOR SALE.
AGENTS WANTED EVERYWHERE.

Patented Nov. 20th, 1890, by

CONRAD MAISEL,
334 Fillmore Ave., BUFFALO, N.Y.

CIMETER BLADE STEAK KNIFE.

Per Doz.

No. 010—10 inch, - \$9.50
No. 012—12 inch, - 15.00
No. 014—14 inch, - 21.00
No. 016—16 inch, - 27.00

We will send one or more of these Steak Knives to any Marketman or Butcher in the United States or Canada, Express prepaid, on receipt of list price. SEND FOR CATALOGUE FREE.

KNIVES, CLEAVERS AND STEELS.

CUTLERS TO THE AMERICAN BUTCHERS.

NICHOLS BROS., Greenfield, Mass.

"ECLIPSE"
Silent Meat Cutting Machines

Are conceded by the Trade, both in this country and Europe, to be

THE BEST MACHINES EVER PUT ON THE MARKET.

MANUFACTURED AND SOLD BY

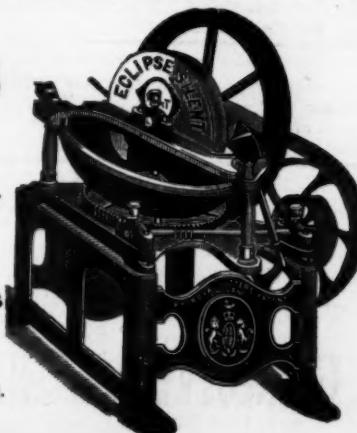
DUNCAN MACKENZIE,
Union Iron Works

HAMILTON AVENUE, TRENTON, N. J.

Sold also by **WOLF, SAYER & HELLER,**

Fulton and Peoria Streets, Chicago, Ill.
and 120 Pearl Street, New York.

SEND FOR CATALOGUE.



WANTED.—FOR SALE.—BUSINESS OPPORTUNITIES.

NOTICE.

Advertisements in this column to occupy one inch or less are inserted at the minimum rate of one dollar per insertion (one inch of eight lines or less). Fifteen cents per line for every additional line above eight lines.

POSITIONS WANTED.

FERTILIZER AND GLUE.

An experienced fertilizer man, at present connected with large packing firm, who has had executive management of business and who thoroughly understands the manufacture and sale of Fertilizers, Glue, Tallow, Stearines, Oils, Casings, etc., will be open for engagement January 1. Would like to hear from parties organizing a company or from a responsible broker. Best of references. Address AVAILABLE, Box 113, care of THE NATIONAL PROVISIONER, 617-618 Manhattan Building, Chicago.

IMPORTANT TO PACKERS AND MANUFACTURERS.

A gentleman who desires to make an extended trip through Europe next spring and who will visit the largest cities and principal ports would be pleased to make connections with some prominent houses for which he could do some business on his proposed trip. Address I. Z. L., Box 527, care of THE NATIONAL PROVISIONER, 284 Pearl street, New York.

Position by competent man in office or warehouse. Have had experience in packing house. Can furnish best of references. Address J. H. C., care THE NATIONAL PROVISIONER, 284 Pearl street, New York City.

Packing house expert is open for engagement to superintend erection of packing houses and complete equipment thereof—cattle, hogs and sheep. Will also undertake to instruct in any branch of the business. Killing, cutting and curing for domestic or foreign trade, refining lards, manufacture of compounds, deodorizing greases, the manufacture of oleo and neutral lard, canning of all kinds of meats, manufacture of beef and chicken extracts, process of canning corned beef in six days from cutting and guaranteed equal to any on the market. Address EXPERT, 617 Manhattan Building, Chicago.

POSITION WANTED BY A THOROUGHLY experienced and widely acquainted packing house machinery and supplies salesman. Address D. M. BELL, care THE NATIONAL PROVISIONER, 617 Manhattan Building, Chicago.

WANTED—A position as beef or sheep salesman; have had three years' experience selling beef and sheep in New York. J. S., care of "The National Provisioner," New York.

POSITION WANTED.

By good beef salesman, who has good chuck trade in New York and Brooklyn; entirely familiar with the beef and fat business, having had an experience of over eight years in these departments in a large house. Am also a competent bookkeeper and office man. Would go into partnership in chuck business with party having a few hundred dollars. Good profits. Address J. F., 118, care NATIONAL PROVISIONER, 284 Pearl street, New York City.

HELP WANTED.

CHEMIST WANTED.

CHEMIST WANTED.—We want for our Laboratory an experienced assistant chemist, such as are familiar with packing house work, analysis of fertilizers, oils, fats, greases and tanners' work will have the preference. THE NATIONAL PROVISIONER ANALYTICAL LABORATORY, 284 Pearl street, New York.

We desire for the city of Cincinnati a representative who is known and respected in the packing trade, and who, if possible, has other occupation, so that he can take our business as a side line. THE NATIONAL PROVISIONER, 284-6 Pearl street, New York City.

WANTED.—An energetic business man who can furnish good references as to character and wishing to actively engage in the wholesaling of beef, pork and small stock, can hear of a chance seldom offered to become a partner in a well established and paying business that will bear investigation; in a good business city: one acquainted with the business preferred; the reason for wanting a partner is his assistance to increase the business; none but those meaning business need apply. Address, "PARTNER," care THE NATIONAL PROVISIONER, New York City, N. Y.

A casing traveling man to handle a side line on commission. Address "SIDE LINE," care THE NATIONAL PROVISIONER, New York.

CHEMIST WANTED.

WANTED.—A Chemist, must be fully experienced in Packinghouse Laboratory work. State references, experience, age, etc.

Address, CHEMIST,
617 Manhattan Bldg., Chicago.

WANTED.

Clerical position in packing house. Address W. E. White, 617 Manhattan Bldg., Chicago, Ill.

FOR SALE.

SLAUGHTER HOUSE FOR SALE.

FOR SALE—Slaughter house and ground in Stock Yards in Omaha, Neb. Well adapted for handling dressed meat and shipping East. Particulars on application. Address O. C. 111, NATIONAL PROVISIONER, 284-6 Pearl street, New York; 617-8 Manhattan Building, Chicago.

A few copies of "Swine Husbandry" (by Coburn), at 75c. each. This is a good opportunity for any one who desires to possess a book which treats fully on breeding, feeding and cultivation. The price named is a reduced figure. THE NATIONAL PROVISIONER PUB. CO., 284 Pearl street, New York.

IF YOUR MEATS TURN SOUR; IF YOUR PICKLE BECOMES "ROPEY"; IF YOUR HAMS DO NOT SMOKE WELL; IF YOUR LARD IS SOFT AND GREASY, SEEK RELIEF BY CONSULTING OUR ANALYTICAL LABORATORY.

OIL, TALLOW, GLUE AND ANIMAL BONE FERTILIZER BUSINESS FOR SALE.

Comprising 18 acres of land; house, buildings and factory furnished with spring water by ram; 60 horse-power engine and boiler, crushers, mills, screens, elevators, tanks, etc., all new. Will sell cheap on account of ill health. JOS. L. BICKERSTAFF,
290 Broad Street, Richmond, Va.

Live Stock and General Provision Agent, EDWD. HEYMANS, PARIS, France, 19 Rue Beranger. (Est'd 1872.) Telegr., Heymansius (A B C Code).

Manager Wanted

For Sausage Department.

Wanted.—By a large Chicago manufacturer of summer sausage, a competent man to sell large trade and handle department; must be a good salesman, and experienced. State age, qualifications, references. Y. S. U., Box 211, care of "The National Provisioner," 617 Manhattan Building, Chicago.

SEE COUPON ON PAGE 27.

TO BE DETACHED.

SUBSCRIPTION BLANK.

189..

The National Provisioner Publishing Co.,

284 & 286 PEARL STREET, NEW YORK:

Please enter my name as an Annual Subscriber for your paper, for which please find \$4 inclosed.

SUBSCRIPTIONS.	NAME.....
Per Annum in the U. S. and Canada (in advance),	\$4.00 CITY AND STREET.....
Foreign Countries, except Canada (in advance),	\$6.00 COUNTY AND STATE.....

....The.... NEW
Enterprise POWER
MEAT
CHOPPER

Capacity fifty per cent.
greater than the same
size of the old pattern.

Absolutely Noiseless
as there are no gears.

No. 56 Corresponds in size
with our No. 25 \$100.00

No. 66 Corresponds in size
with our No. 46 \$225.00



Illustrated

Knives and plates
last twice as long.

The Enterprise Manufacturing Company of Pa.

Send for Illustrated Descriptive Circular,
Consult your Supply House.

Station Q, Philadelphia, Pa., U. S. A.

Smith's Celebrated Buffalo Chopper
with Self-Mixer.

KNOWN THE WORLD OVER.

If you want the Best Sausage Cutter, try a BUFFALO.
Don't let any one talk it out of you.

Any practical Sausage Maker, who wants to make GOOD SAUSAGES, will tell you the BUFFALO CHOPPER with MIXER is the best in the world. It chops and mixes at one time, saving time and labor. Does not break the meat but chops it evenly, saving the juice and making better sausages. With Mixer on it works in more water. Saves buying a separate mixer, saving room and extra power, doing the work of two machines. References furnished from users in most any city in the United States; also Germany, France, England, Ireland, Australia, South America, Canada and Mexico. Write for full particulars and lowest prices.



Any Machine
Sent on Trial.



SOMETHING NEW.
Grind Stone for Grinding
Machine Helves.



NEW SPICE MILL,
BEEF MILL, MAPLE



JOHN E. SMITH & SONS,

OFFICE, 60 BROADWAY, BUFFALO, N. Y.



NECESSARY IN EVERY PACKING HOUSE.

PACIFIC COAST BORAX CO.

ARMOUR & CO., PACKERS, CHICAGO.

GLUE. CURLED HAIR.

PURE ANHYDROUS AMMONIA.

The Superiority of Our Goods is Well Known.

Armour Packing Co.

PACKERS AND JOBBERS

